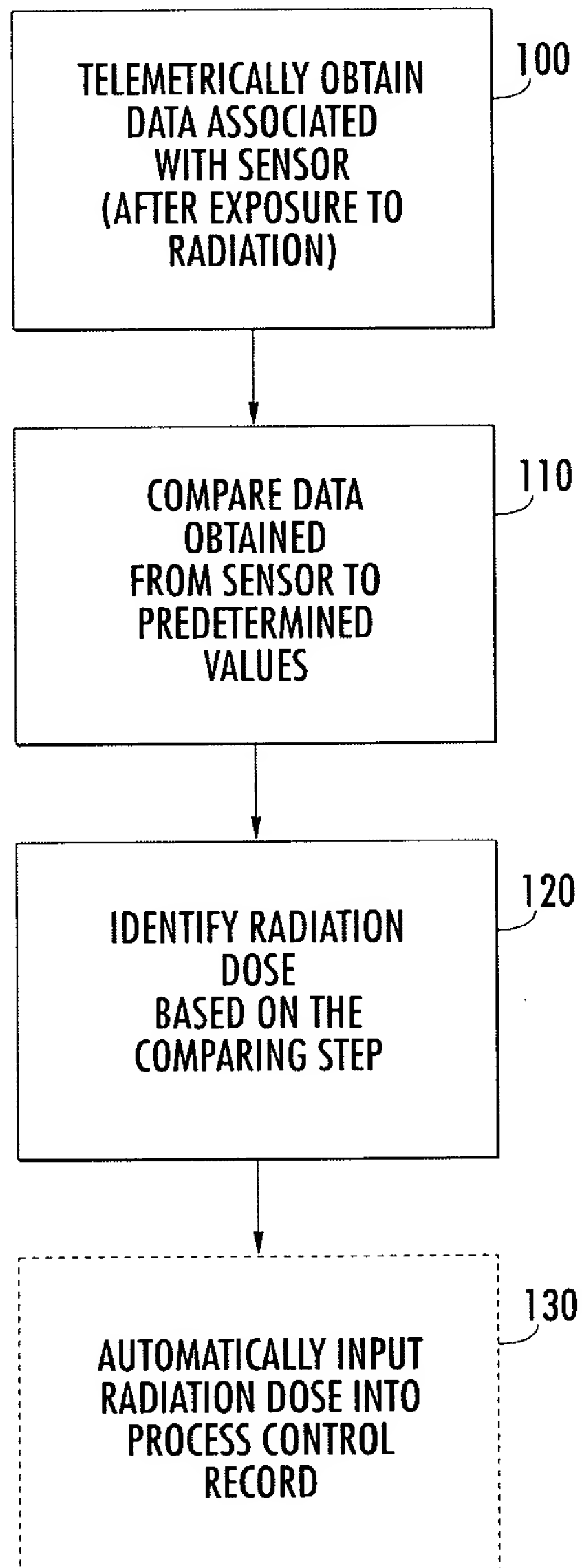


FIG. 1A.

LIST OF FOODS APPROVED FOR IRRADIATION IN THE USA

PRODUCT	TYPE OF CLEARANCE	DATE	DOSE MAX (kGy)
ANIMAL FEED AND PET FOOD	UNCONDITIONAL	SEP-95	25.00
APPLE	UNCONDITIONAL	APR-86	1.00
APRICOT	UNCONDITIONAL	APR-86	1.00
APRICOT (DRIED)	UNCONDITIONAL	APR-86	1.00
AVACADO	UNCONDITIONAL	APR-86	1.00
BANANA	UNCONDITIONAL	APR-86	1.00
CHERRIES	UNCONDITIONAL	APR-86	1.00
CHICKEN	UNCONDITIONAL	MAY-90	3.00
CHICKEN MEAT (MECHANICALLY SEPARATED)	UNCONDITIONAL	MAY-90	3.00
CURRENTS, RED	UNCONDITIONAL	APR-86	1.00
DATES	UNCONDITIONAL	APR-86	1.00
ENZYMES (DEHYDRATED)	UNCONDITIONAL	APR-86	10.00
FIGS (DRIED)	UNCONDITIONAL	APR-86	1.00
FRUIT	UNCONDITIONAL	APR-86	1.00
FRUITS (DRIED)	UNCONDITIONAL	APR-86	1.00
GRAPES	UNCONDITIONAL	APR-86	1.00
GUAVA	UNCONDITIONAL	APR-86	1.00
HERBS	UNCONDITIONAL	APR-86	30.00
JUJUBE (DRIED)	UNCONDITIONAL	APR-86	1.00
LEMON	UNCONDITIONAL	APR-86	1.00
LITCHI	UNCONDITIONAL	APR-86	1.00
MANDARIN	UNCONDITIONAL	APR-86	1.00
MANGO	UNCONDITIONAL	APR-86	1.00
MEAT	UNCONDITIONAL	DEC-97	4.50
MELON	UNCONDITIONAL	DEC-97	7.00
ORANGE	UNCONDITIONAL	APR-86	1.00
PAPAYA	UNCONDITIONAL	APR-86	1.00
POTATO	UNCONDITIONAL	JAN-64	0.15
PEAR	UNCONDITIONAL	APR-86	1.00
PARSIMMON	UNCONDITIONAL	APR-86	1.00
PINEAPPLE	UNCONDITIONAL	APR-86	1.00
PLUM	UNCONDITIONAL	APR-86	1.00
PORK	UNCONDITIONAL	JUL-85	1.00
POULTRY	UNCONDITIONAL	MAR-90	3.00
POULTRY PRODUCTS	UNCONDITIONAL	MAR-90	3.00
RAISINS	UNCONDITIONAL	APR-86	1.00
SPICES	UNCONDITIONAL	APR-86	30.00
STRAWBERRY	UNCONDITIONAL	APR-86	1.00
VEGETABLES	UNCONDITIONAL	APR-86	1.00
VEGETABLES (DRIED)	UNCONDITIONAL	APR-86	1.00
VEGETABLE SEASONINGS	UNCONDITIONAL	APR-86	30.00
WHEAT	UNCONDITIONAL	JAN-63	0.50
WHEAT FLOUR	UNCONDITIONAL	JAN-63	0.50
WHITE POTATOES	UNCONDITIONAL	JAN-64	0.15

FIG. 1B.

*FIG. 2.*

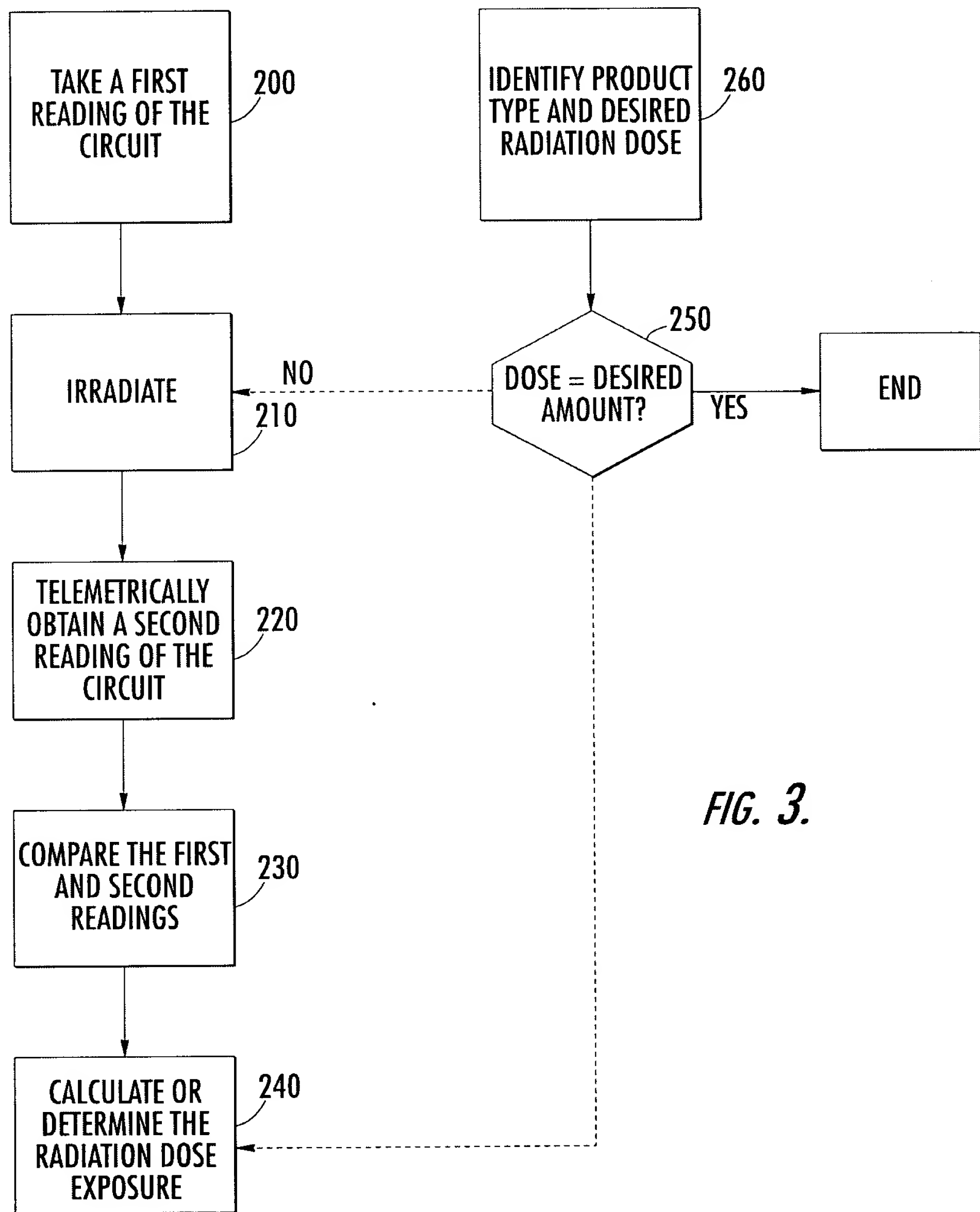
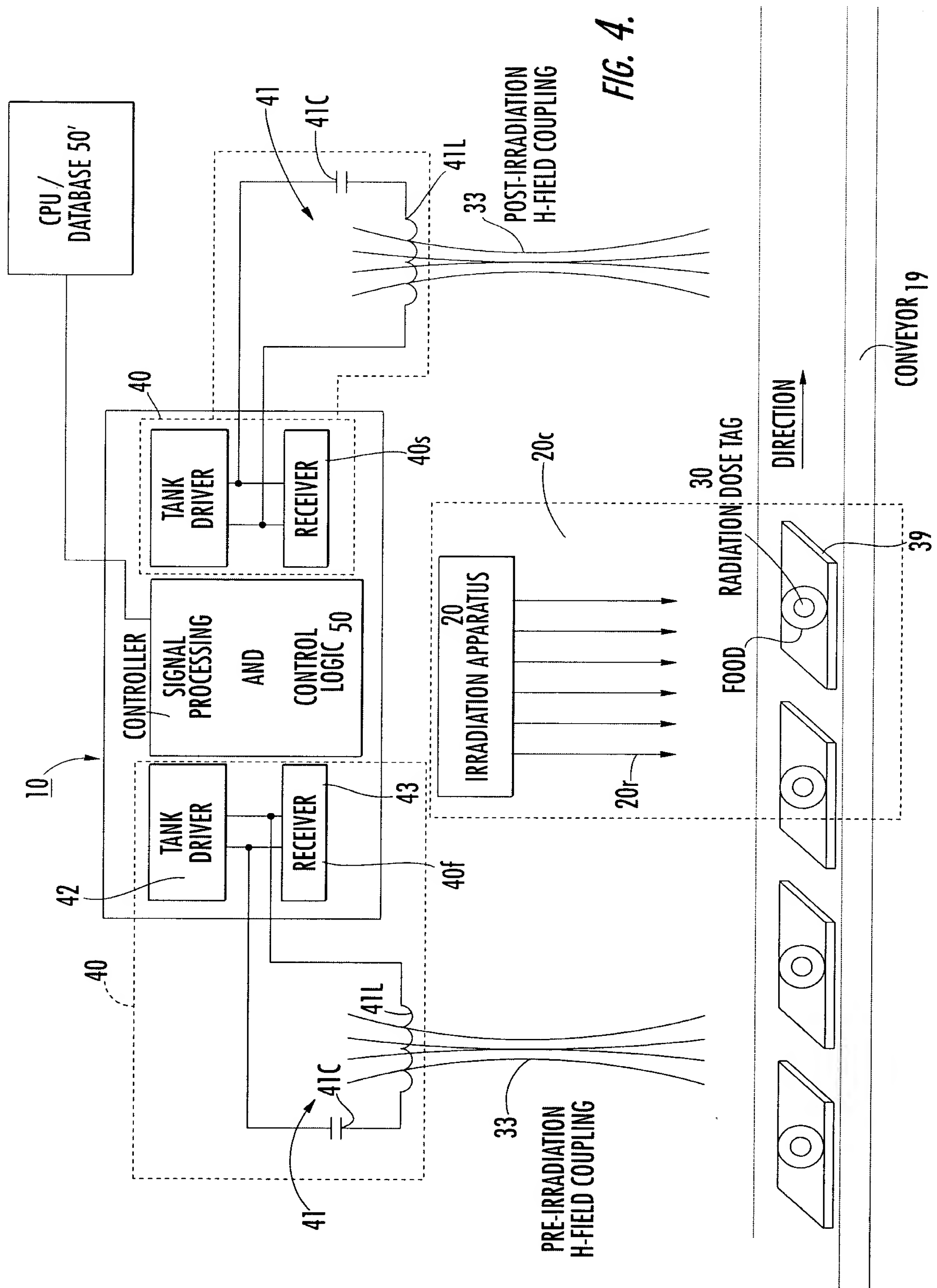


FIG. 3.



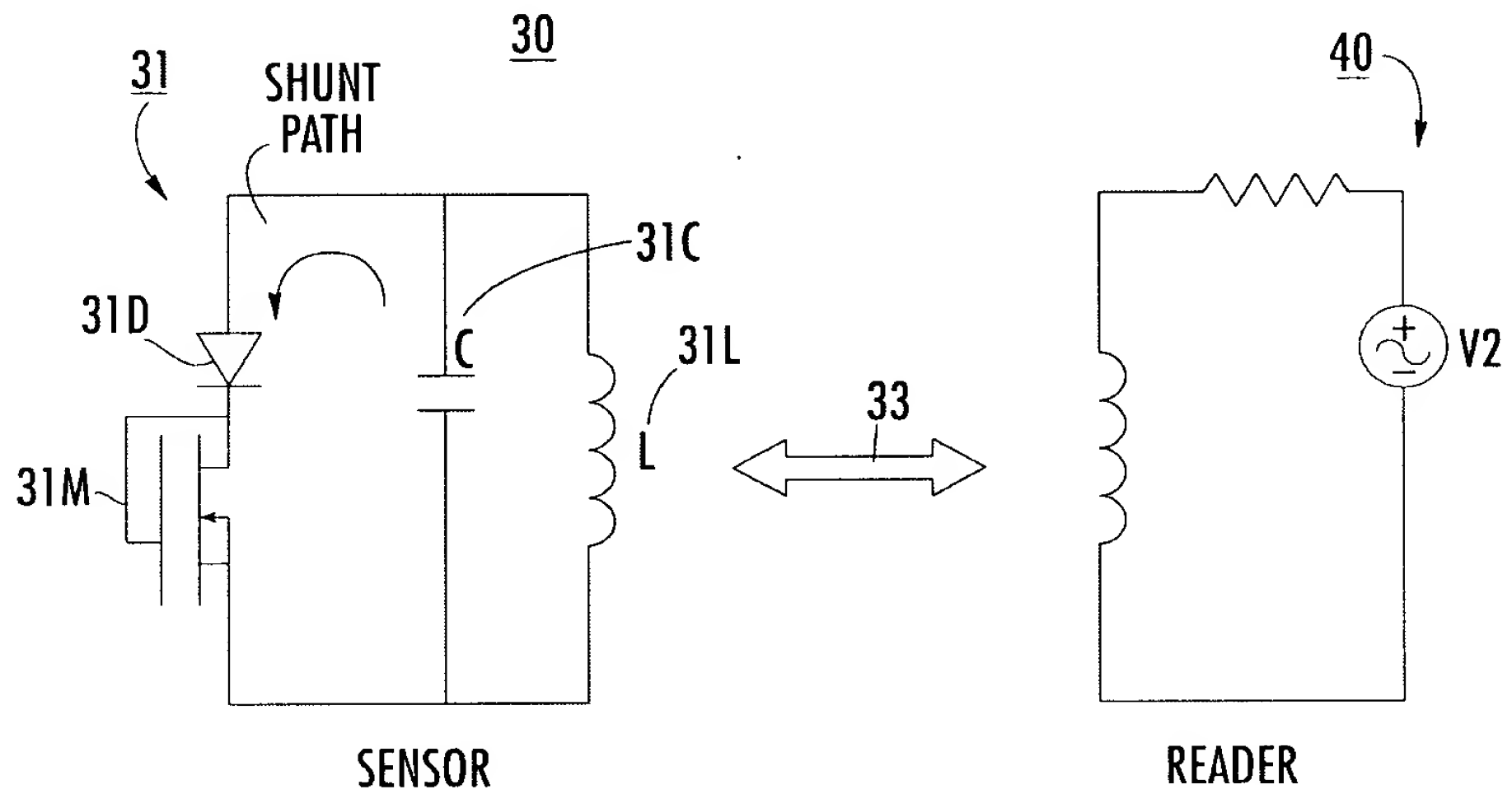
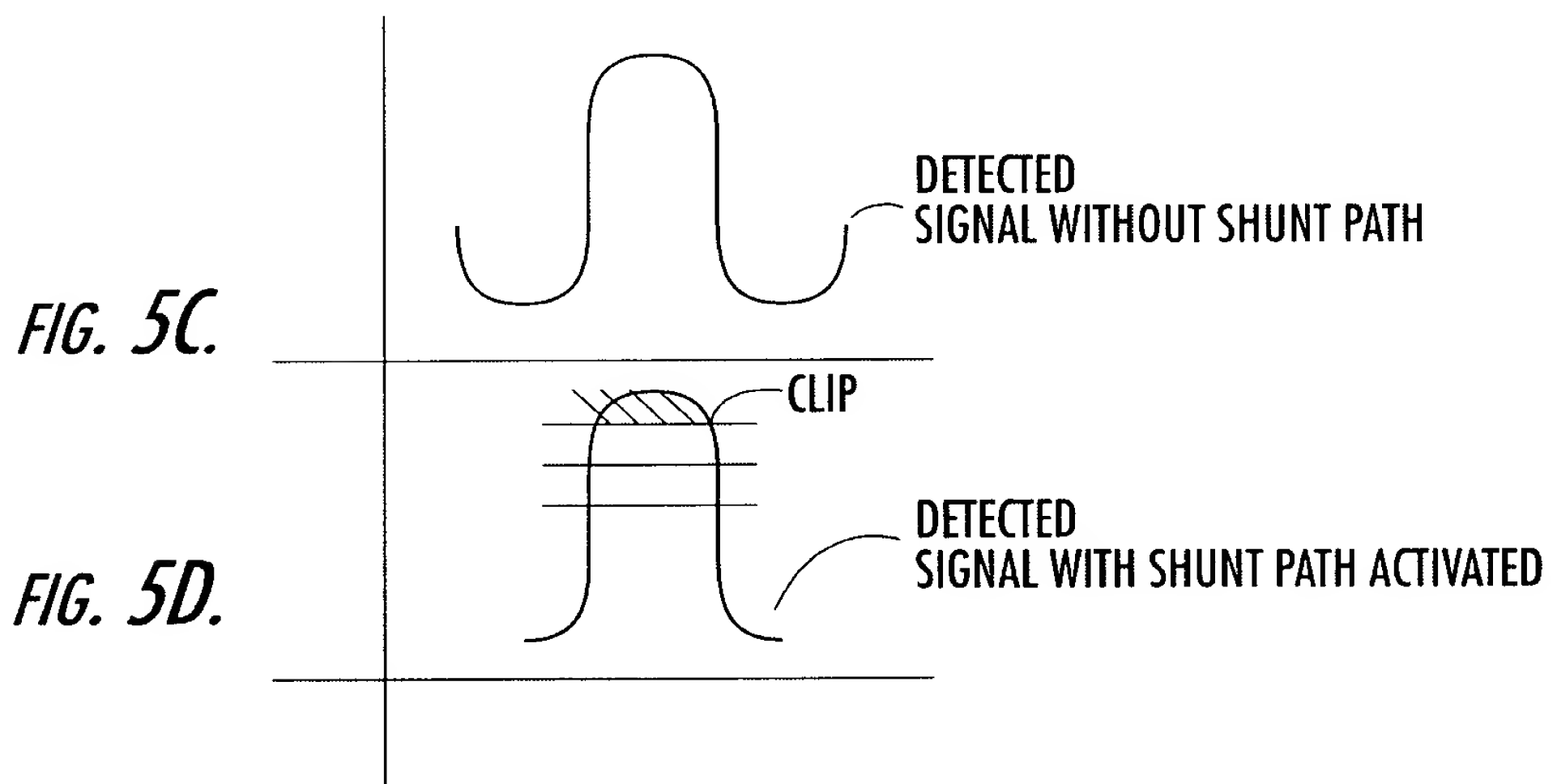


FIG. 5A.



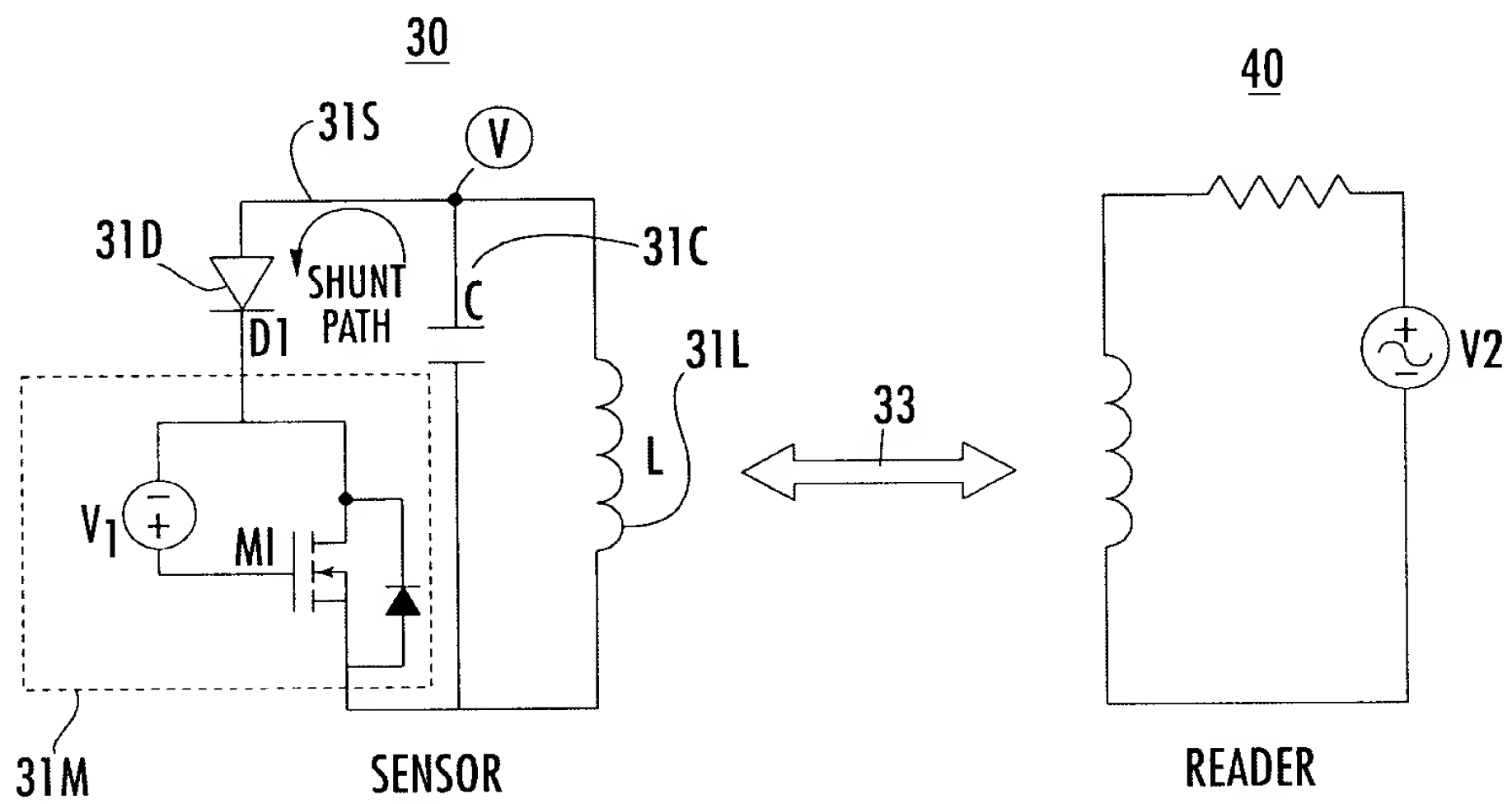


FIG. 5B.

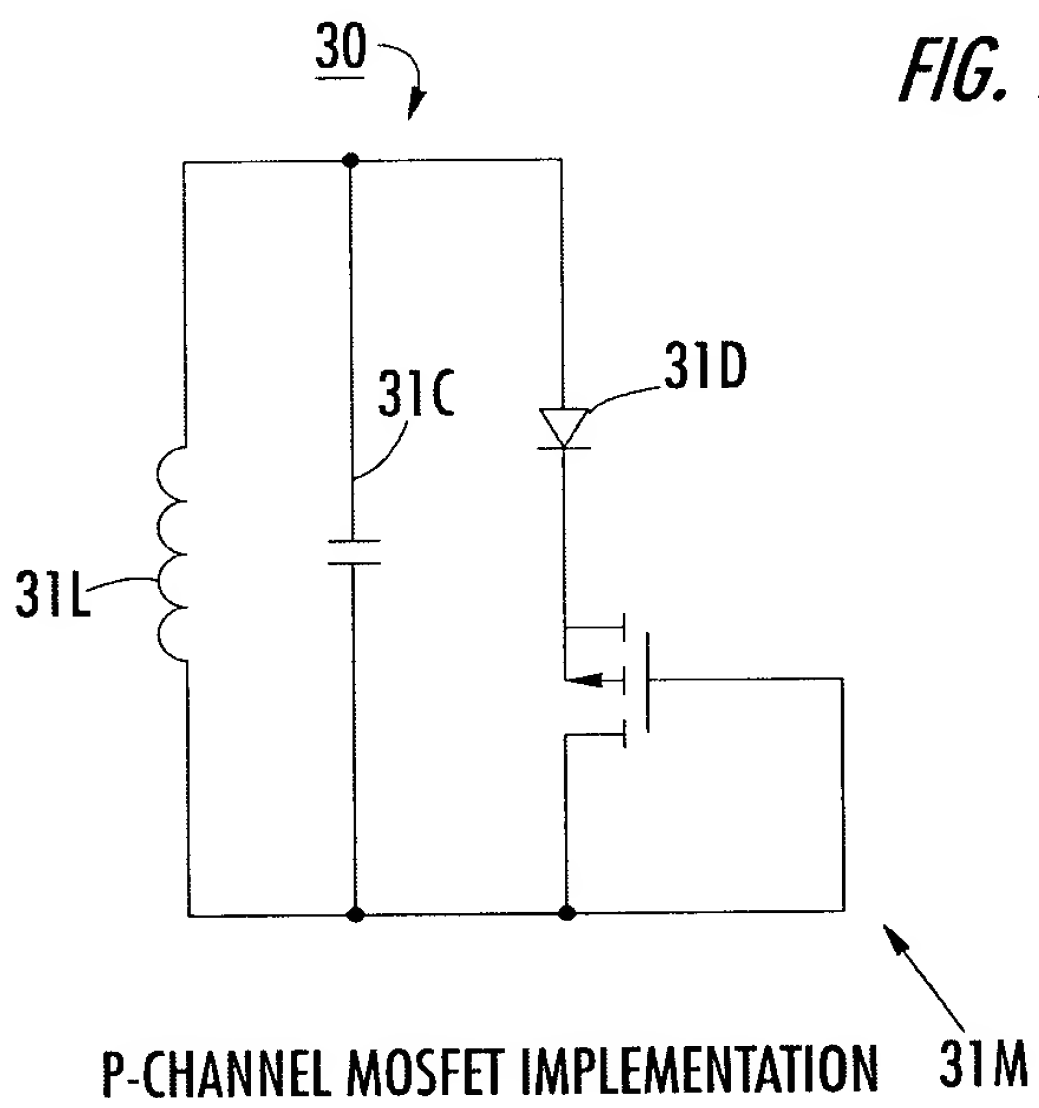


FIG. 5E.

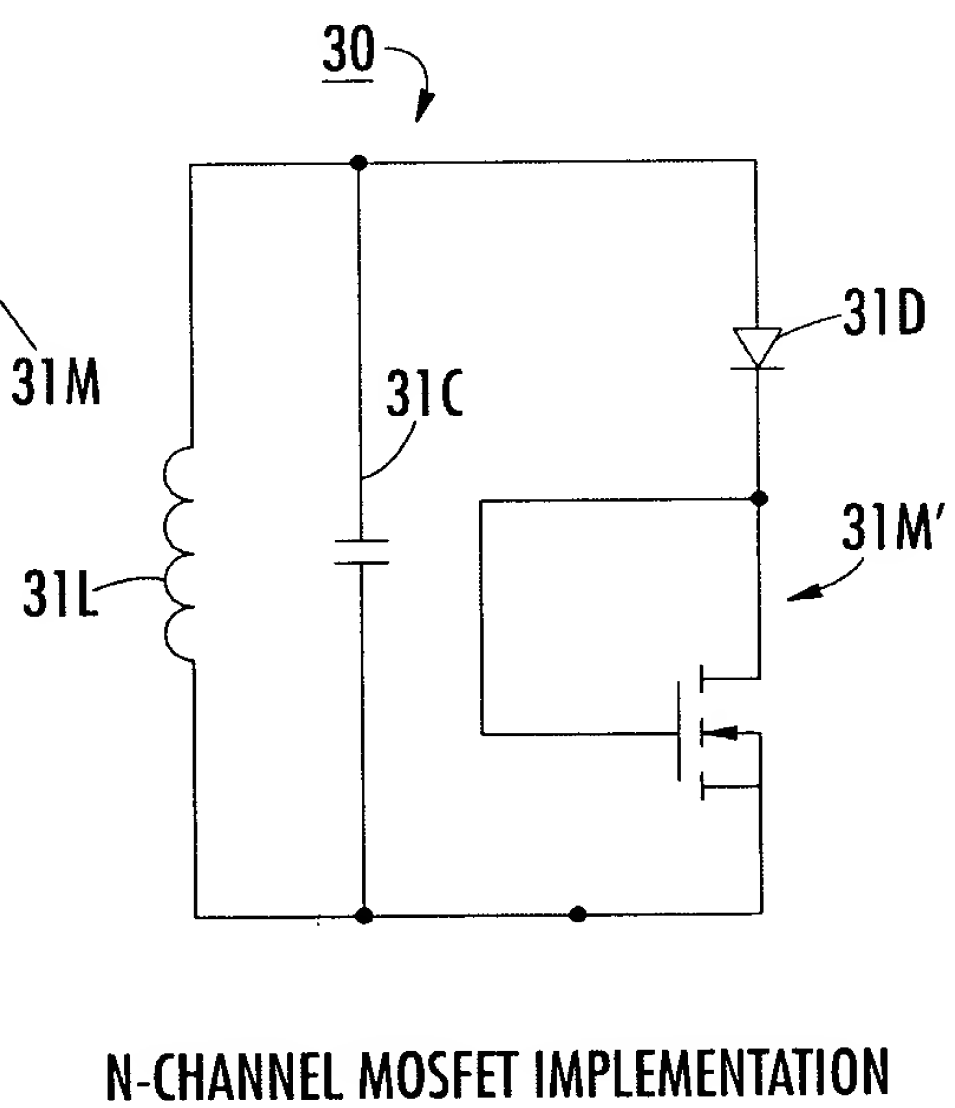


FIG. 5F.

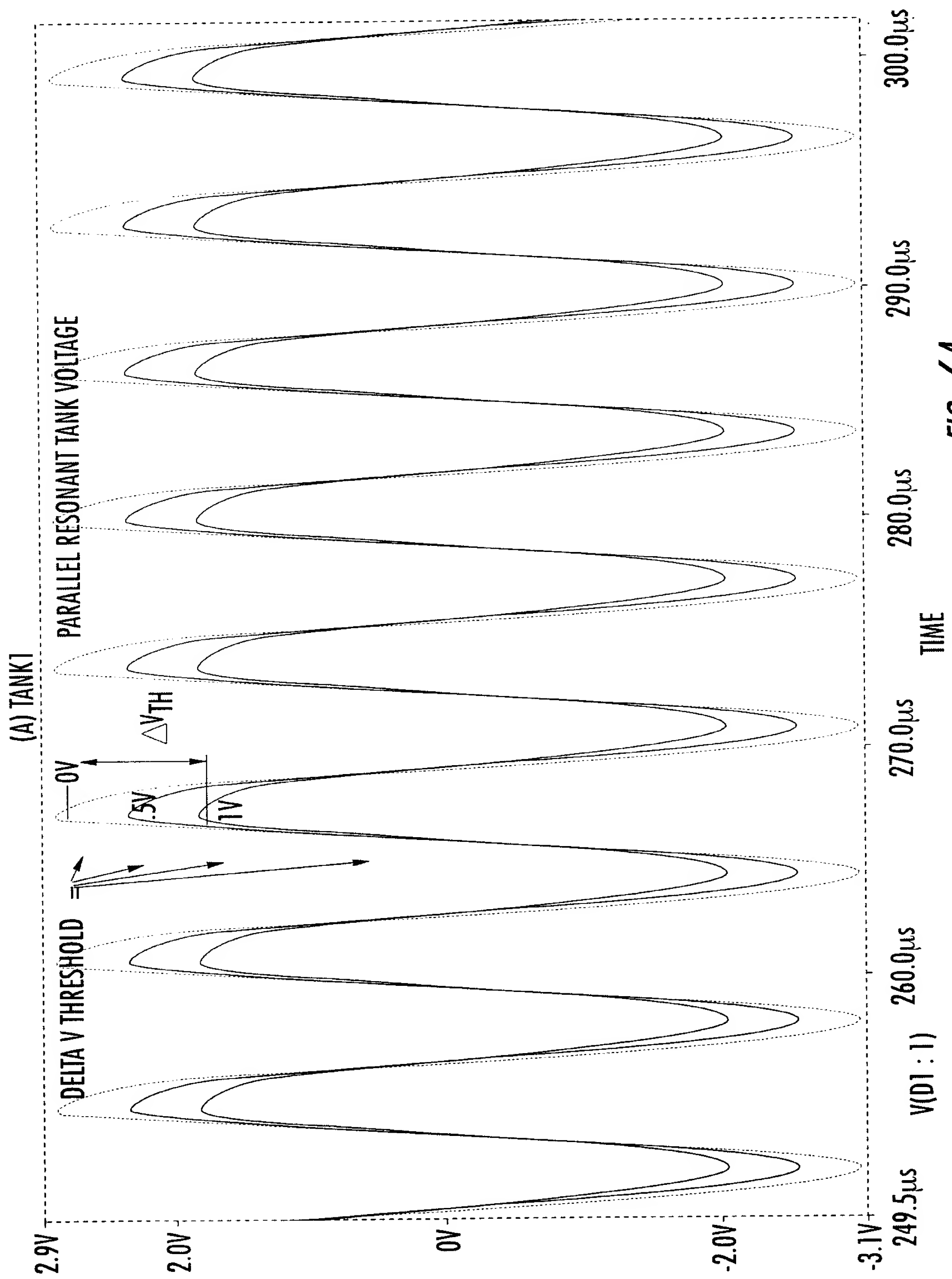


FIG. 6A.

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N CHANNEL

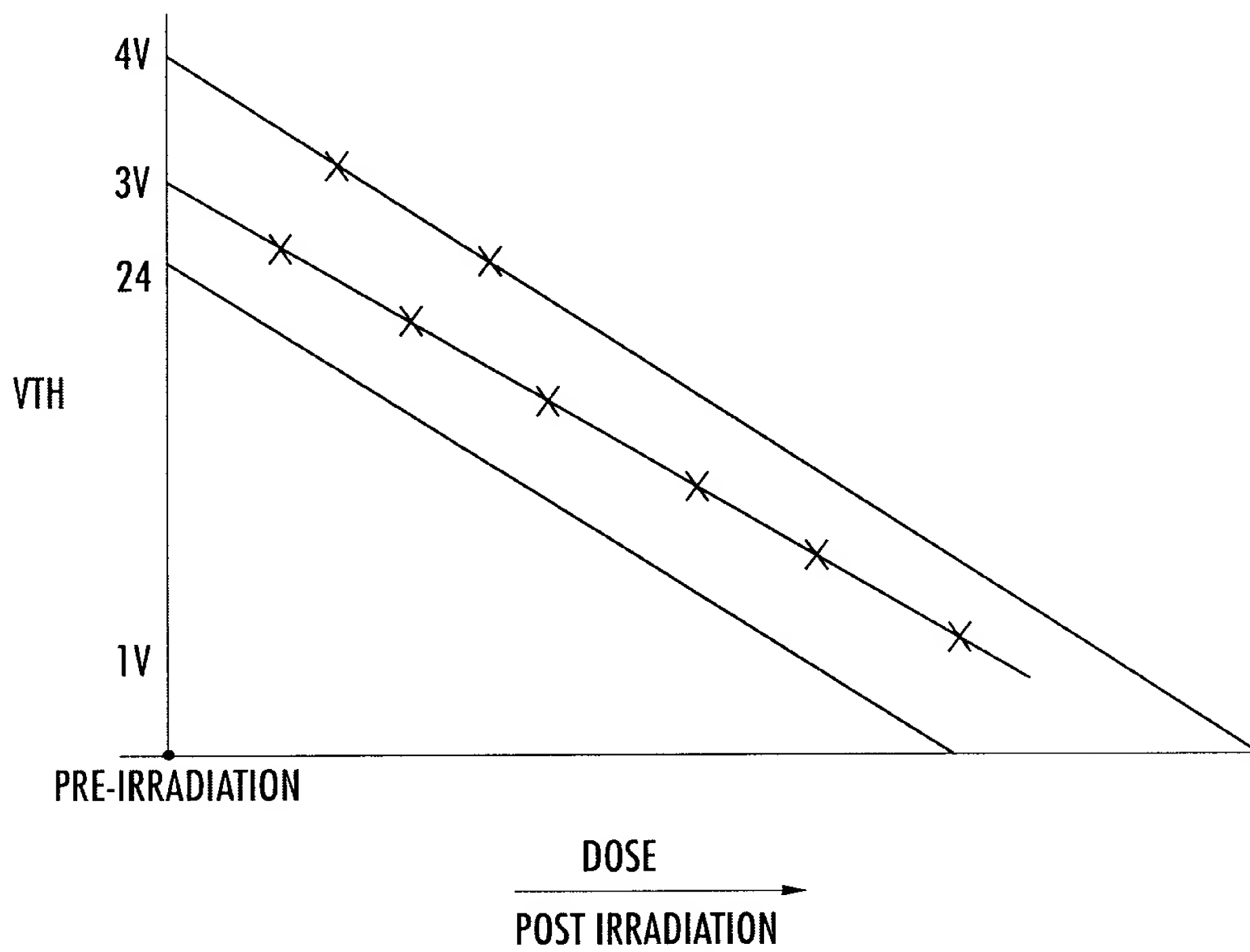


FIG. 6B.

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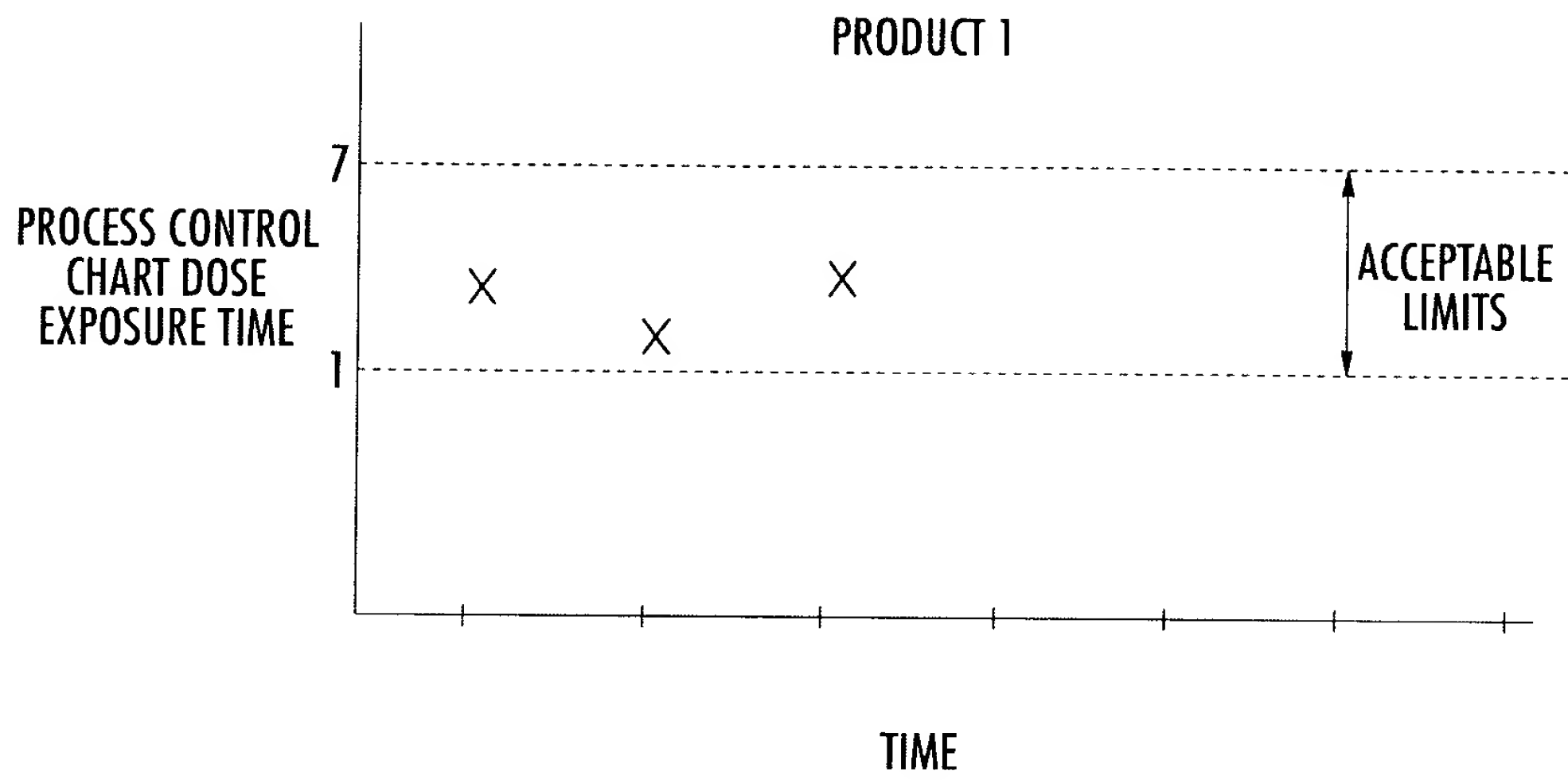


FIG. 7A.

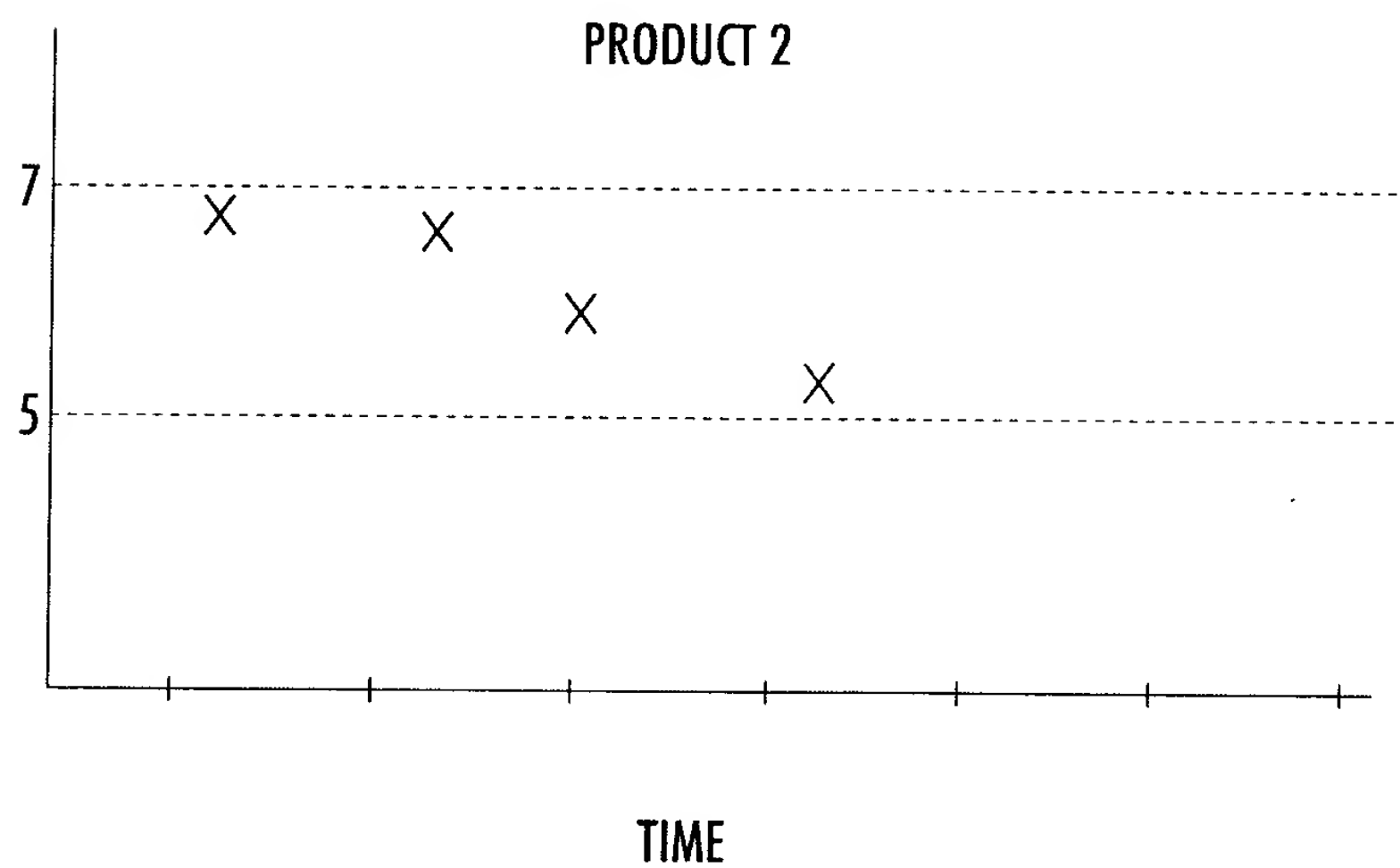


FIG. 7B.

(A) TANK1

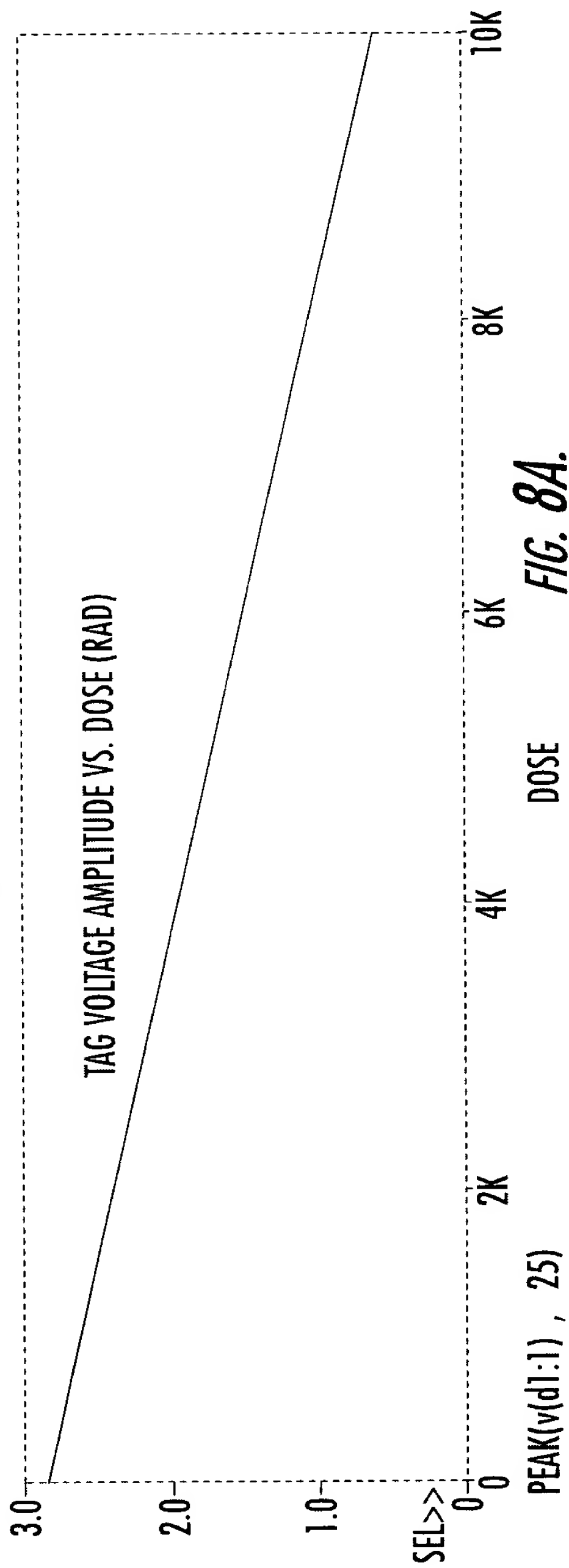


FIG. 8A.

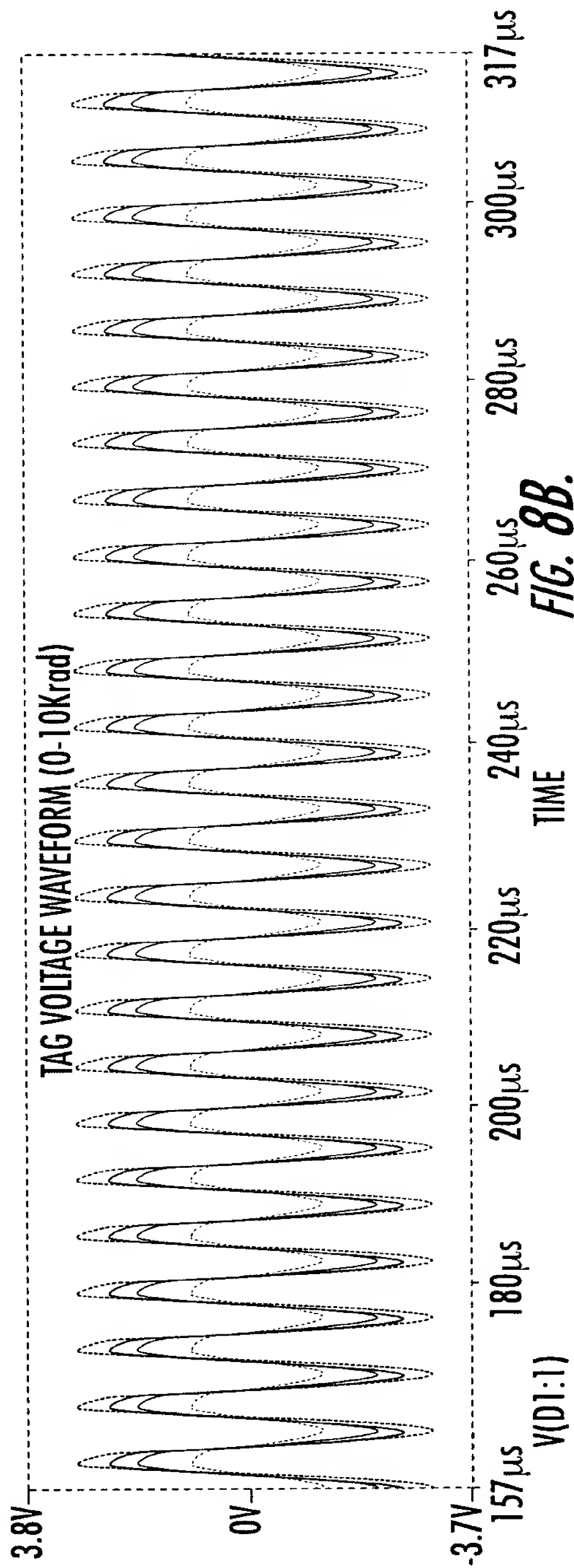


FIG. 8B.

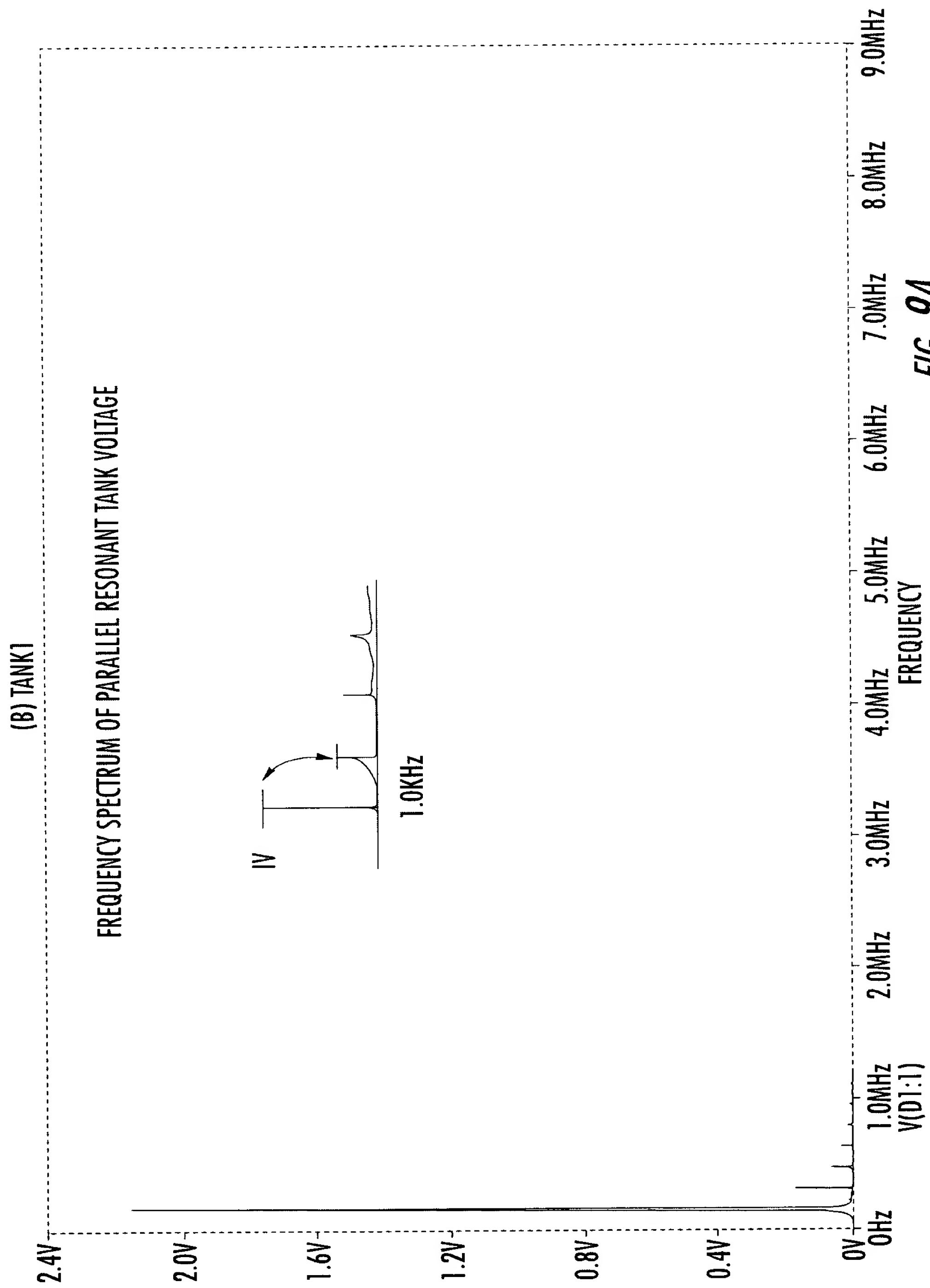


FIG. 9A.

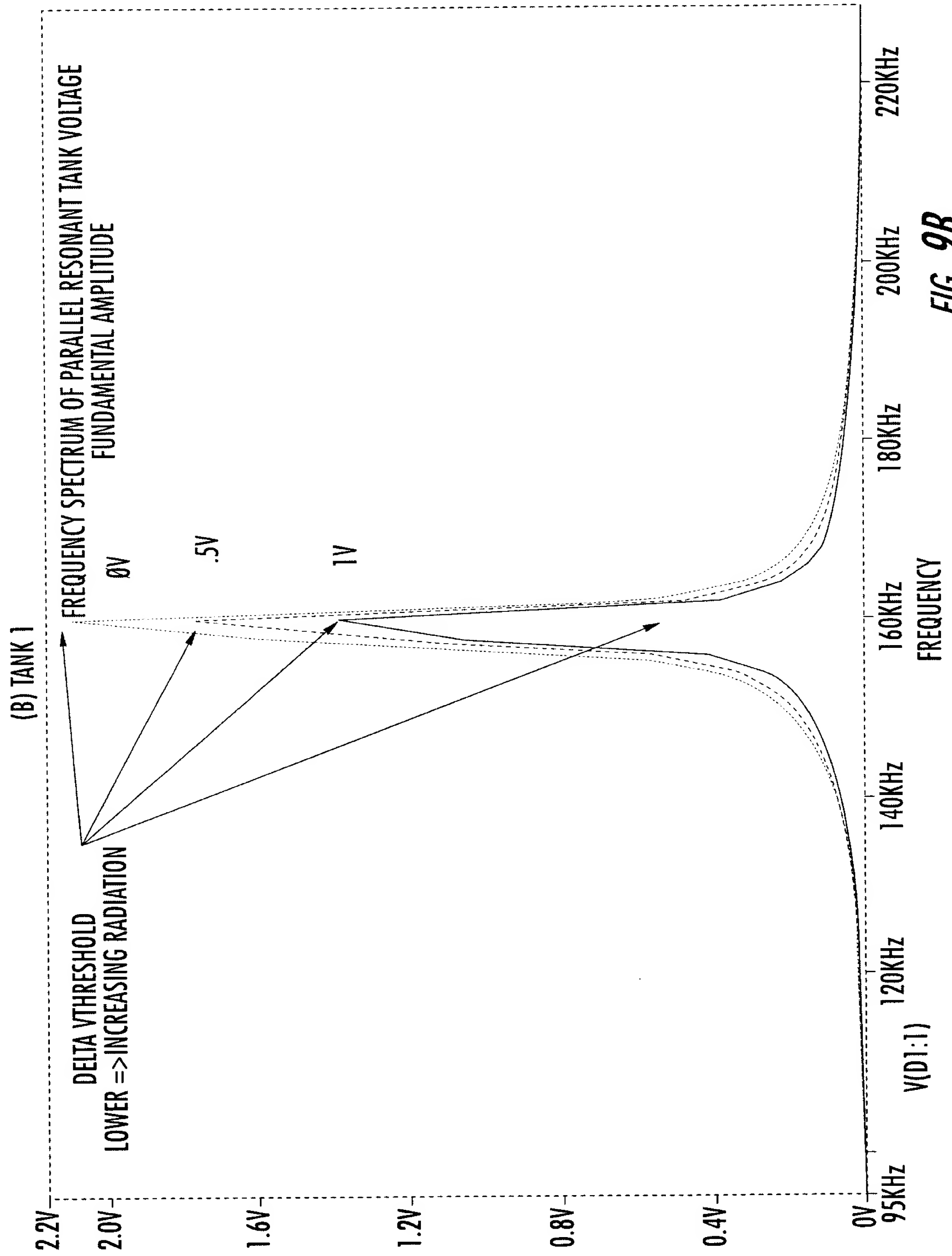


FIG. 9B.

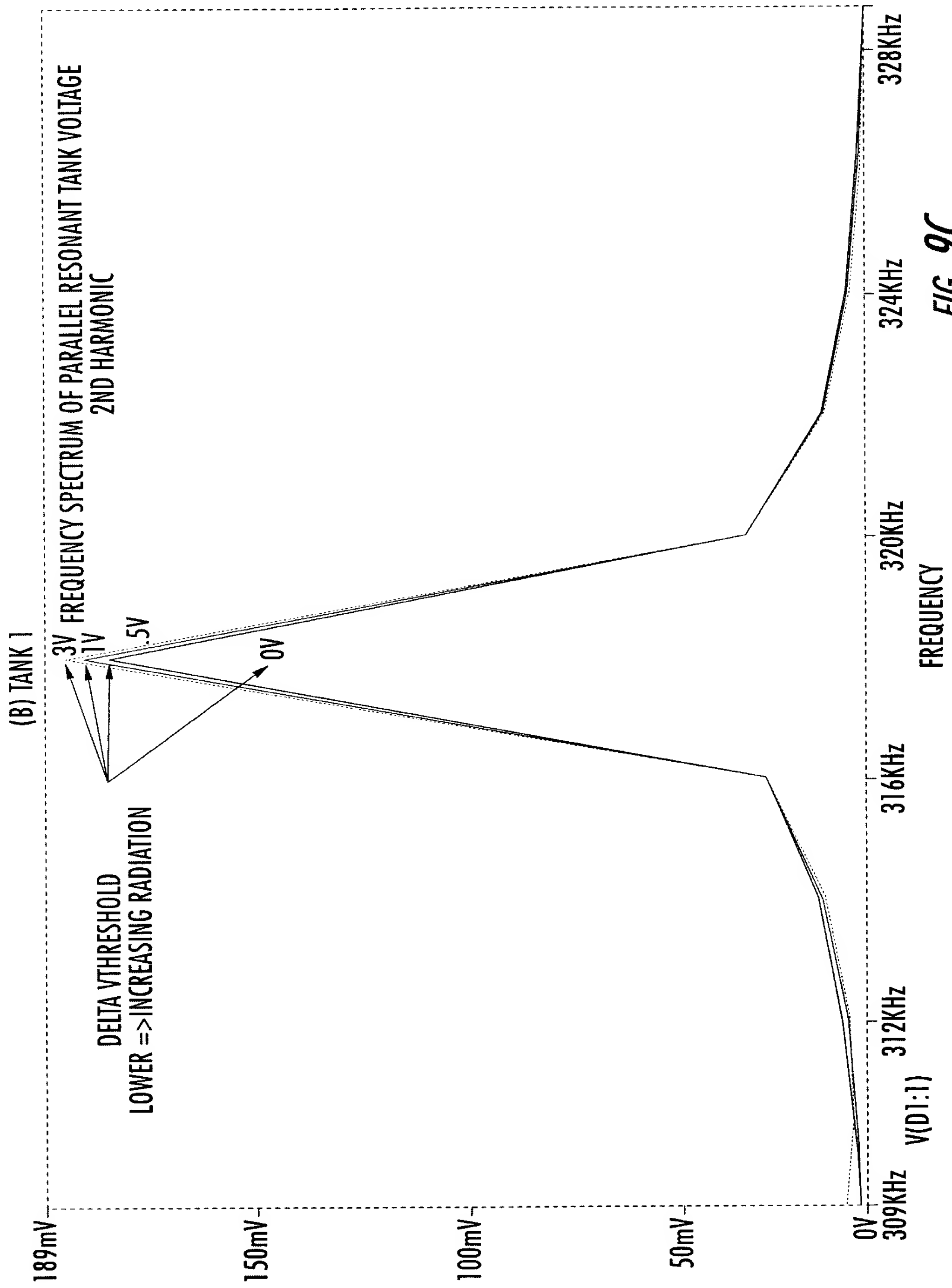


FIG. 9C.

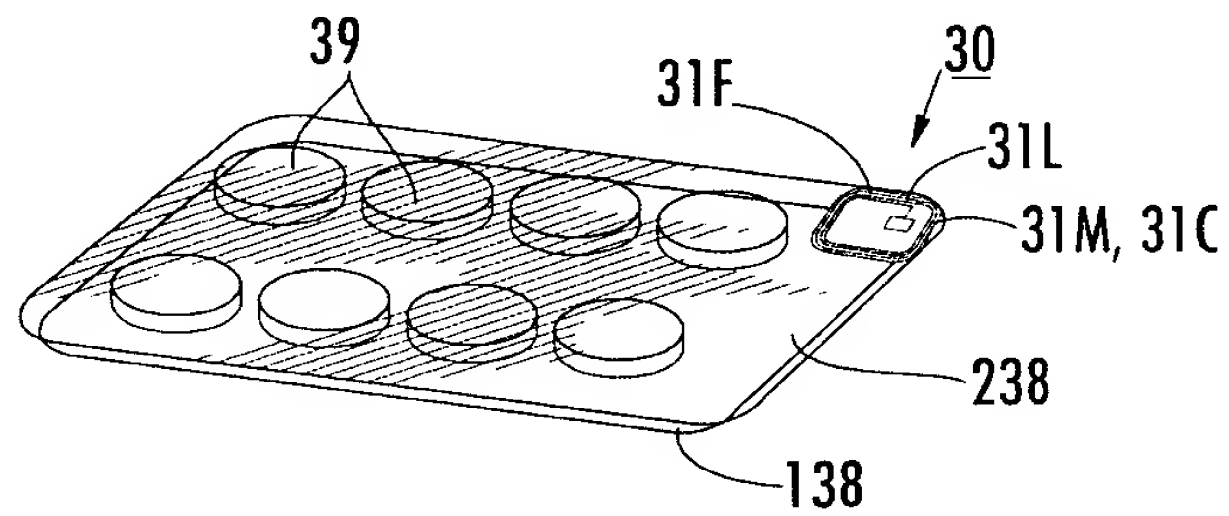


FIG. 10.

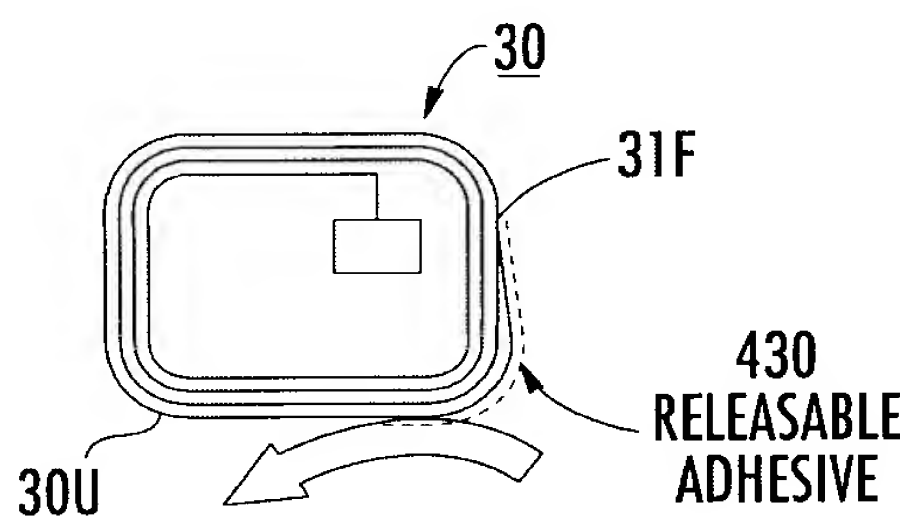


FIG. 11A.

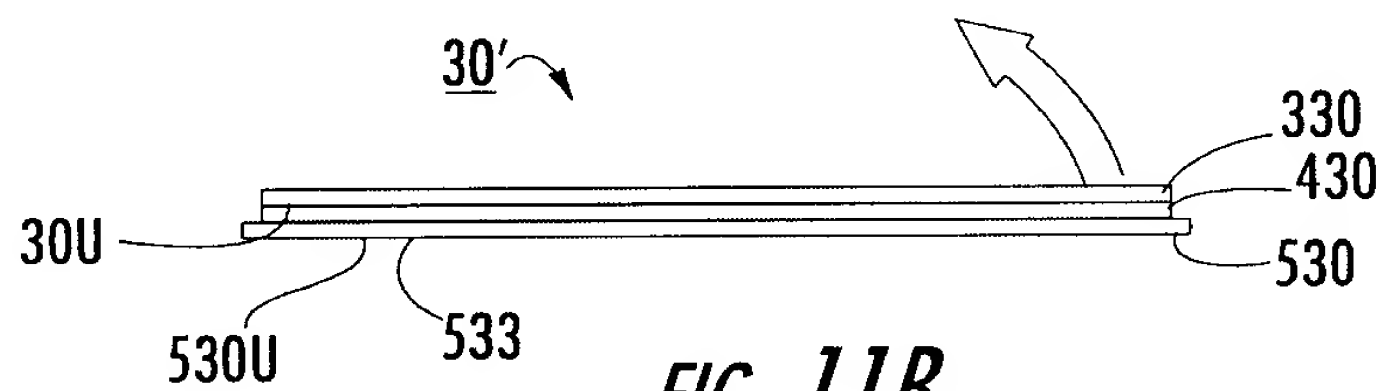


FIG. 11B.

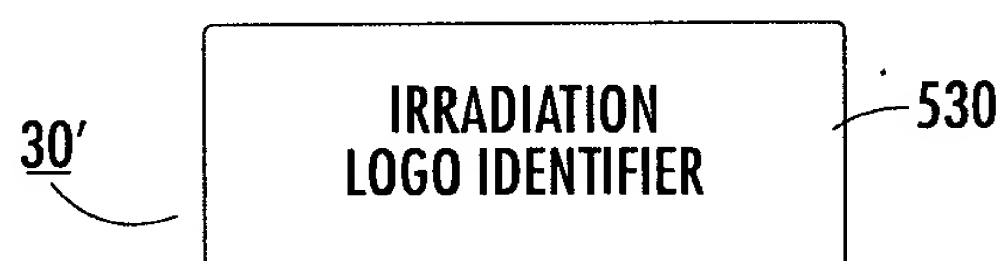


FIG. 11C.

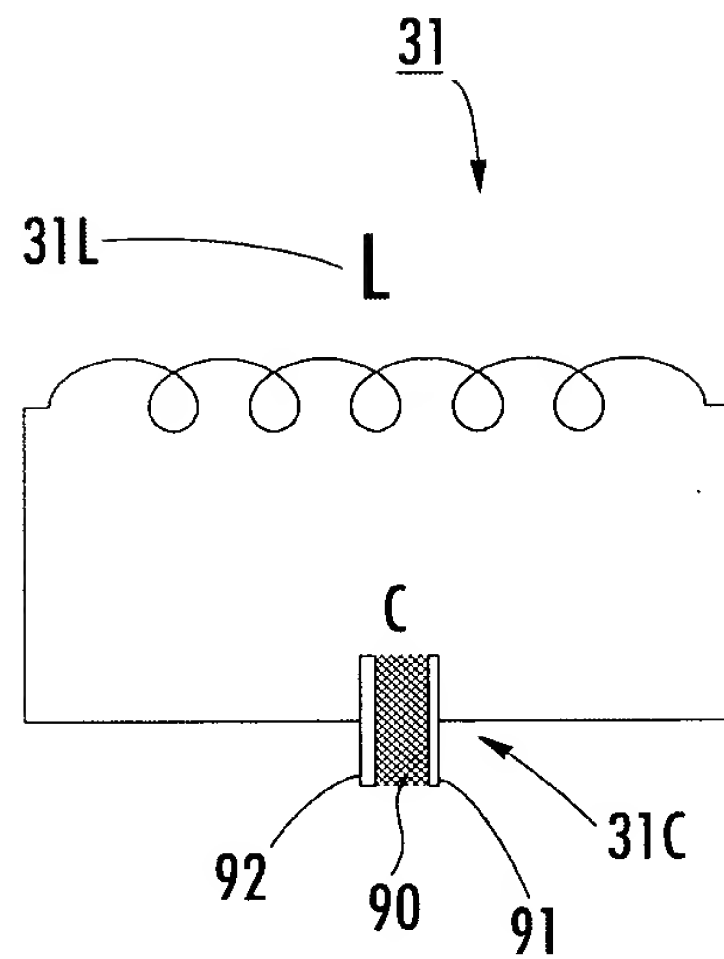


FIG. 12A.

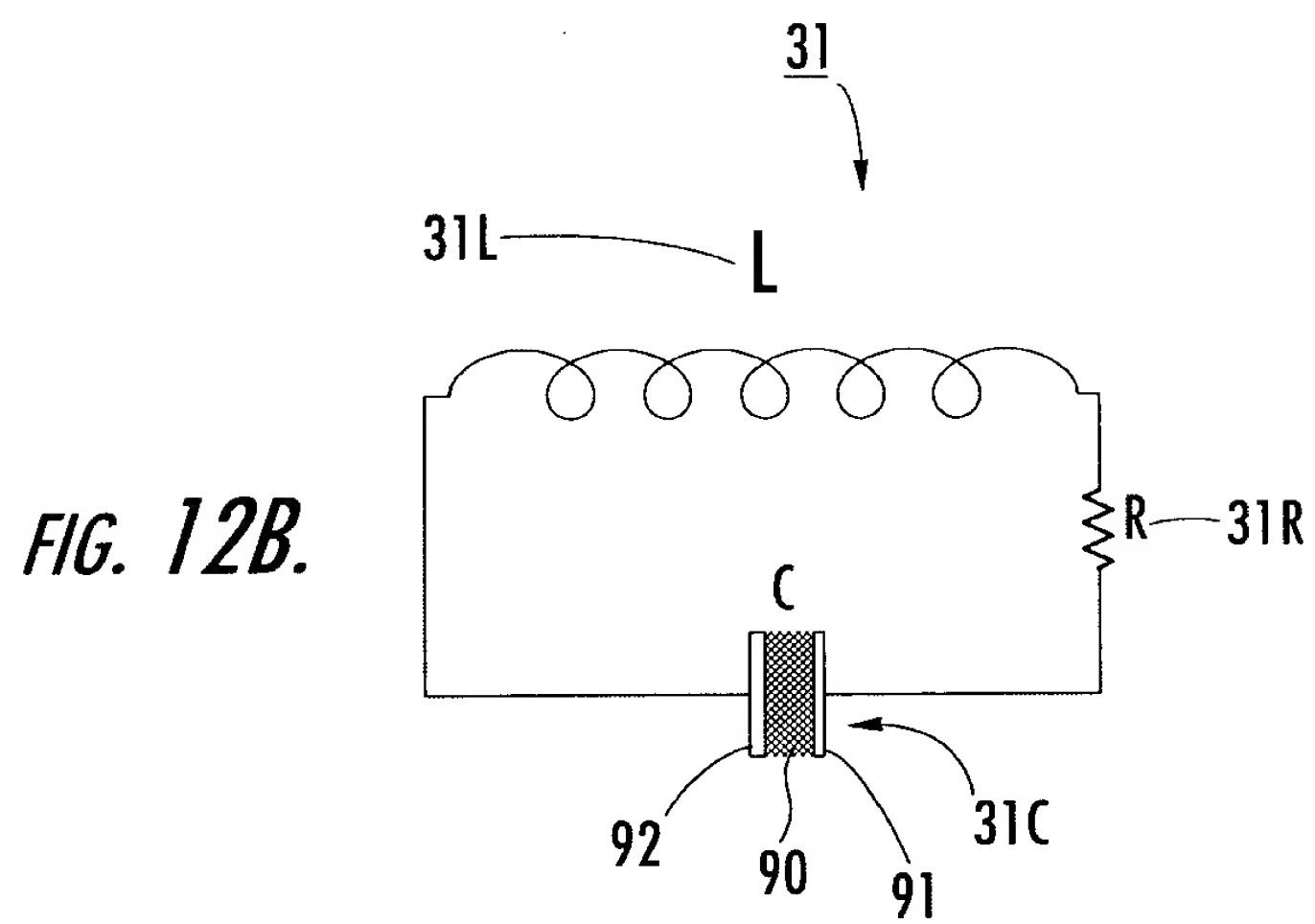
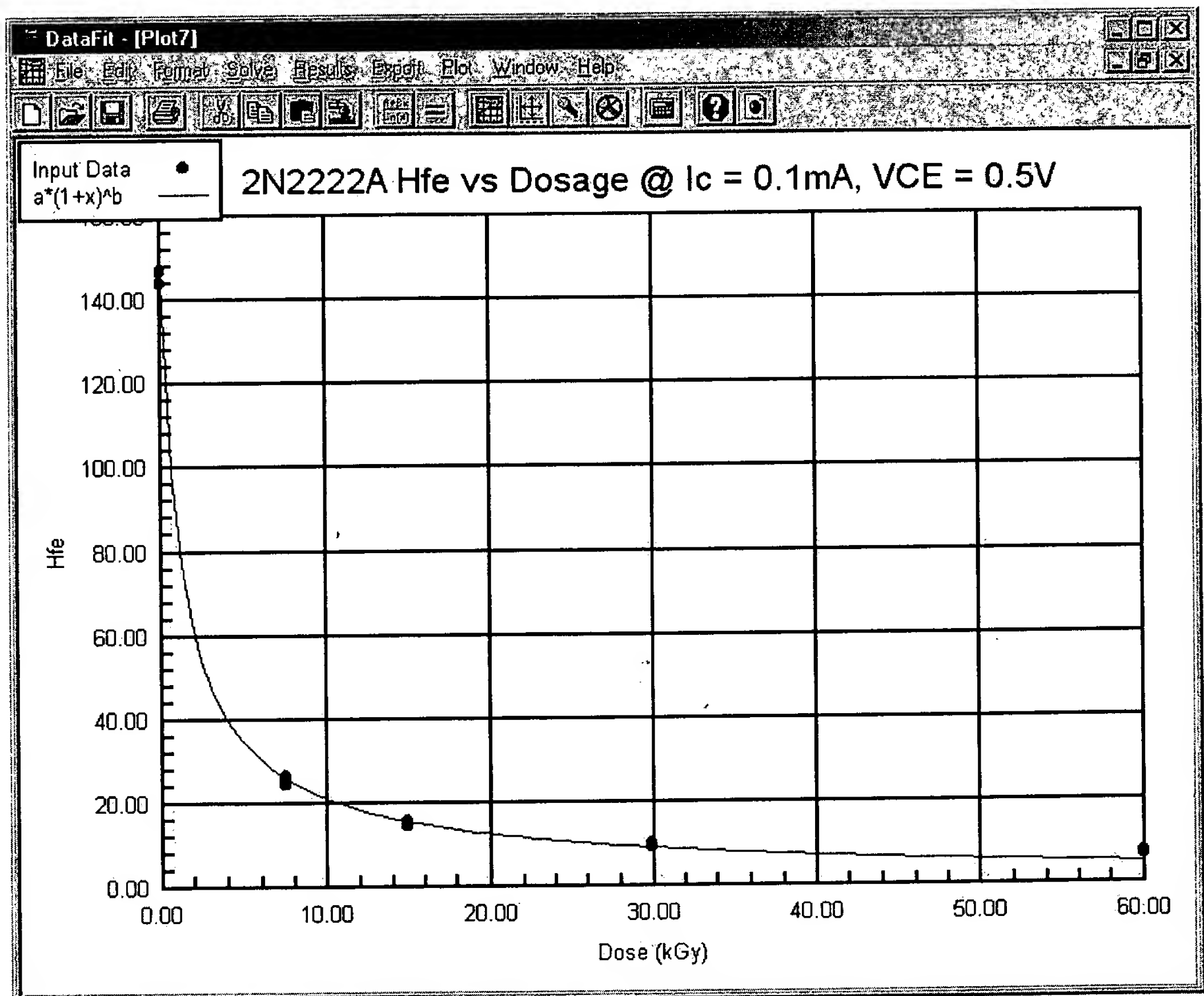


FIG. 12B.



2N2222A H_{fe} vs. Total Dose.

FIG. 13.

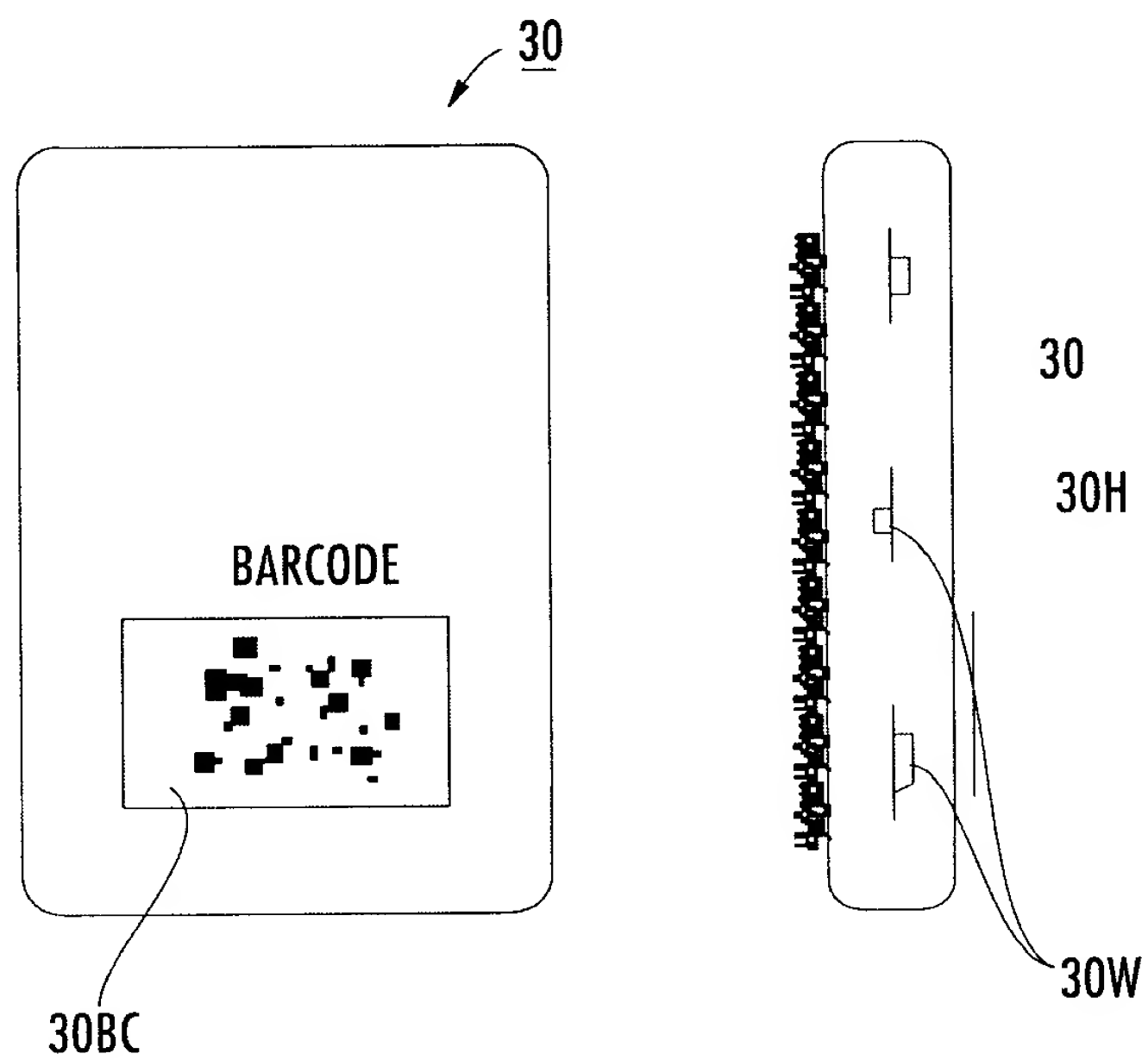


FIG. 14.

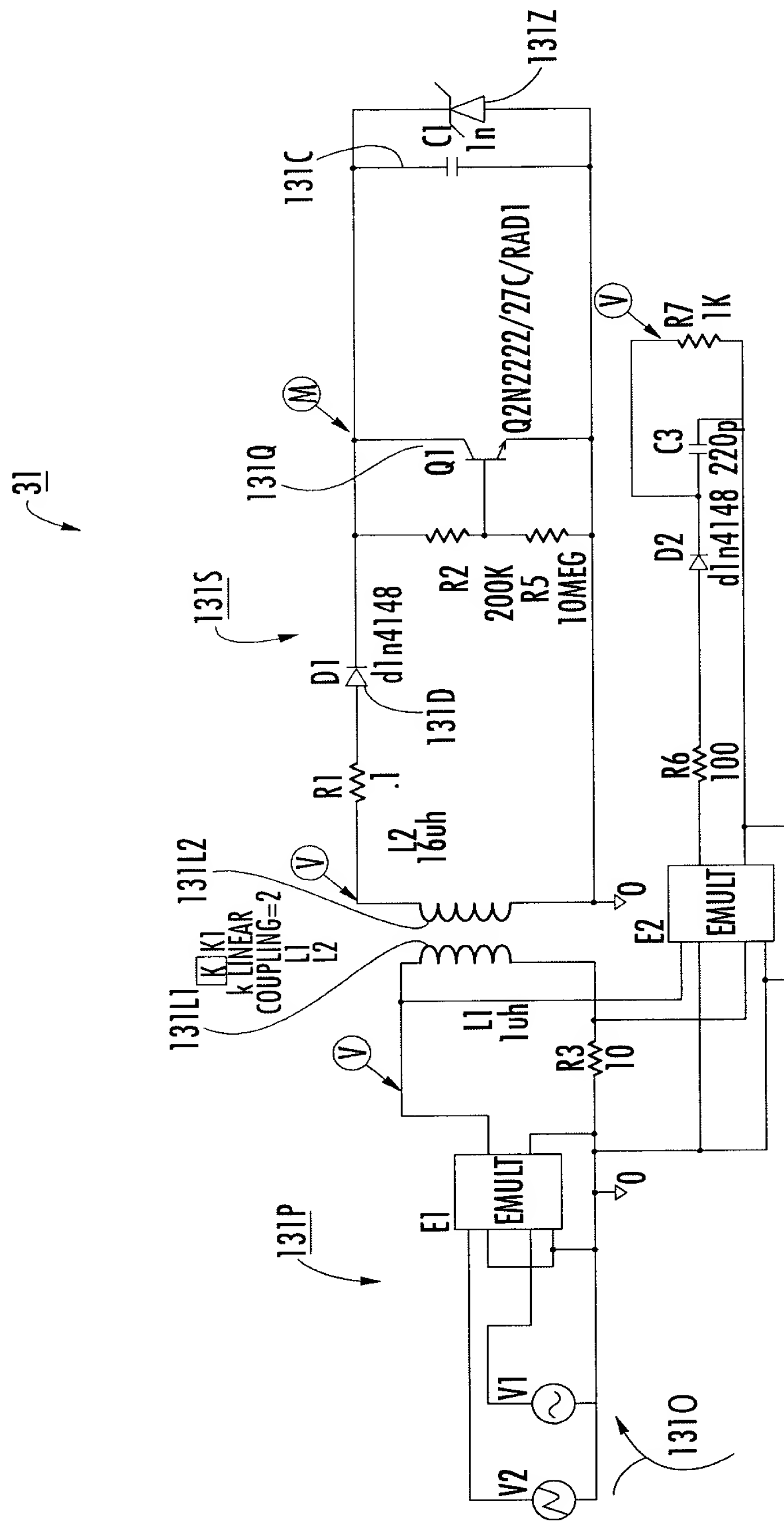


FIG. 17.

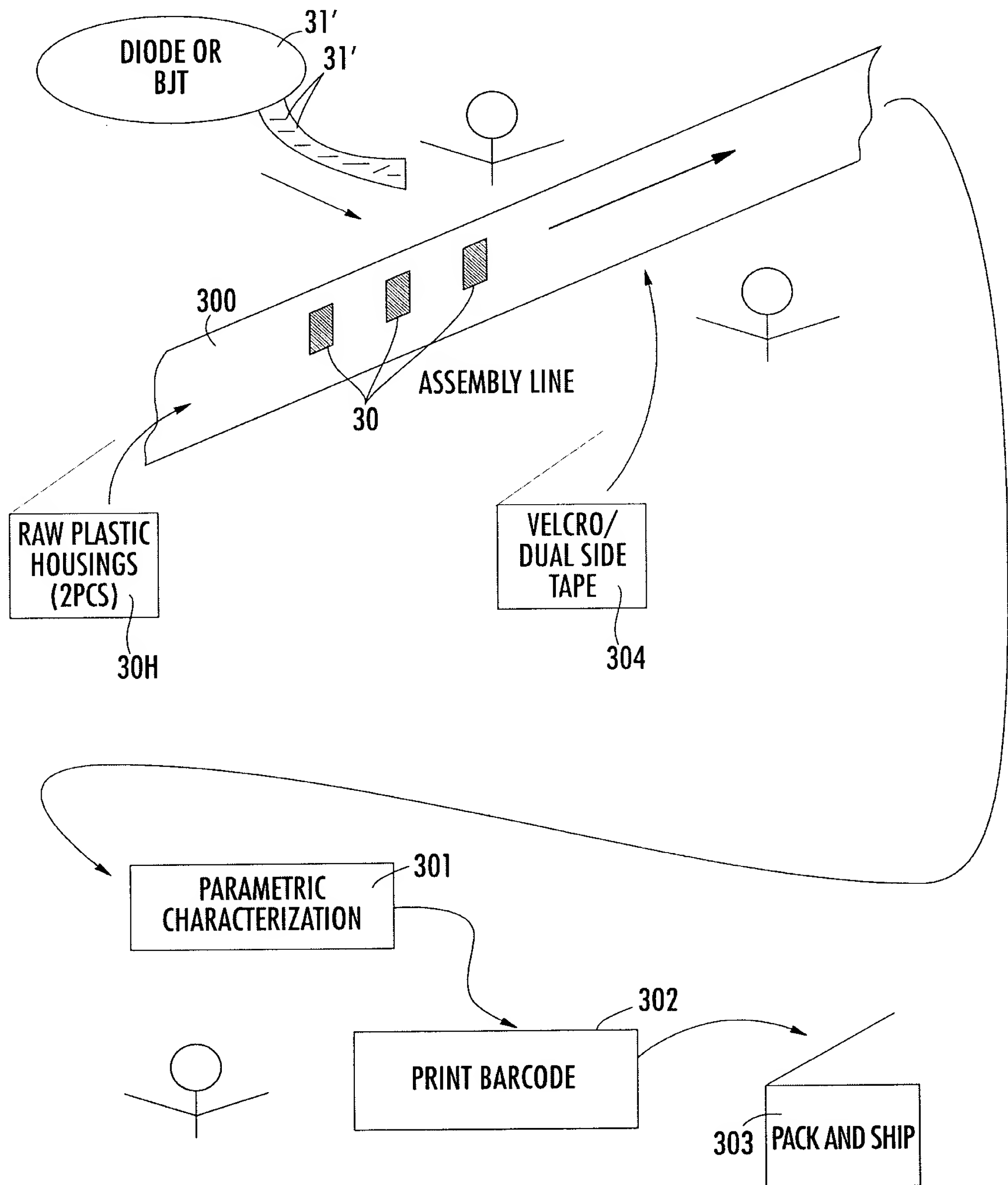


FIG. 15.

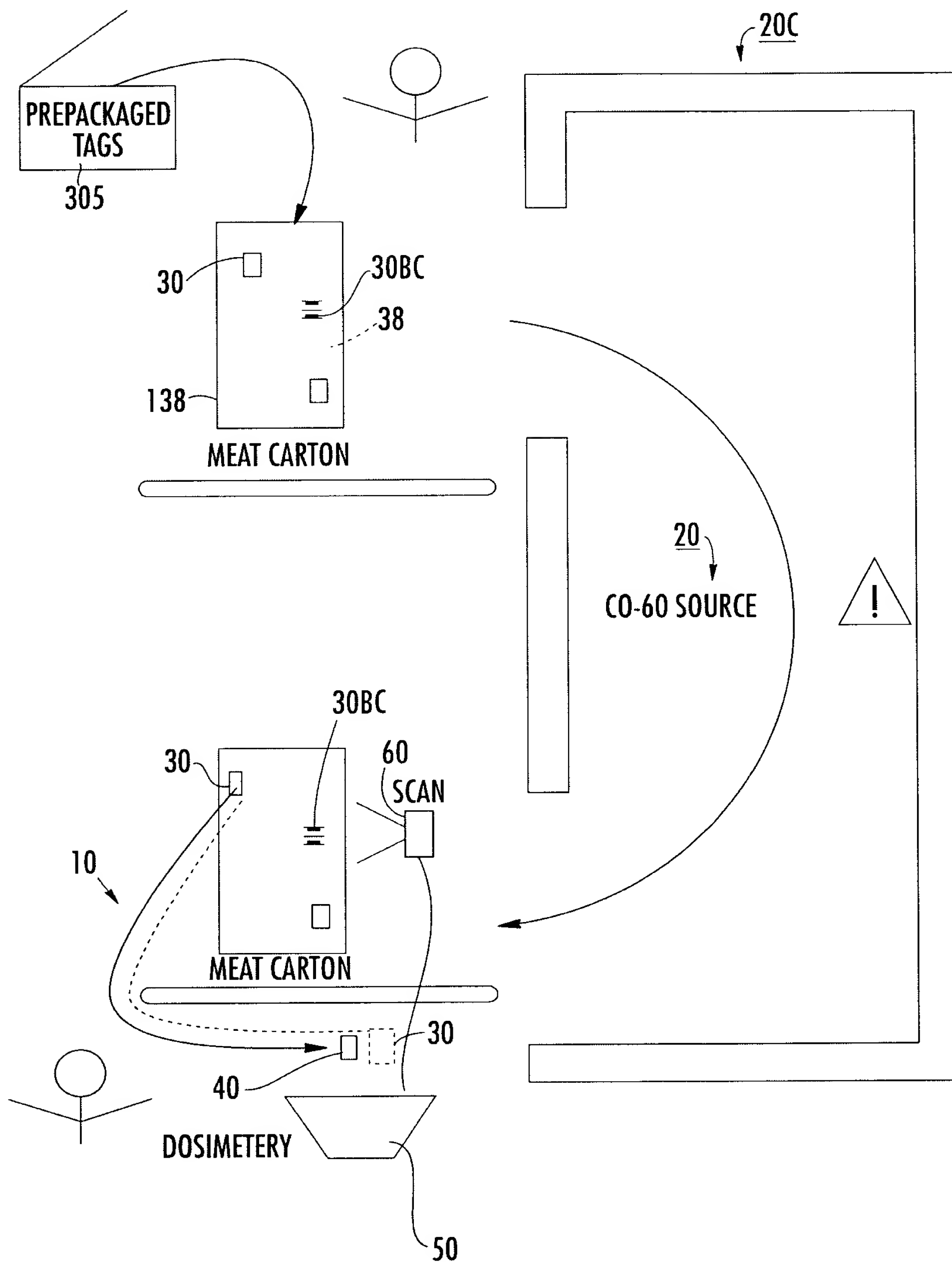
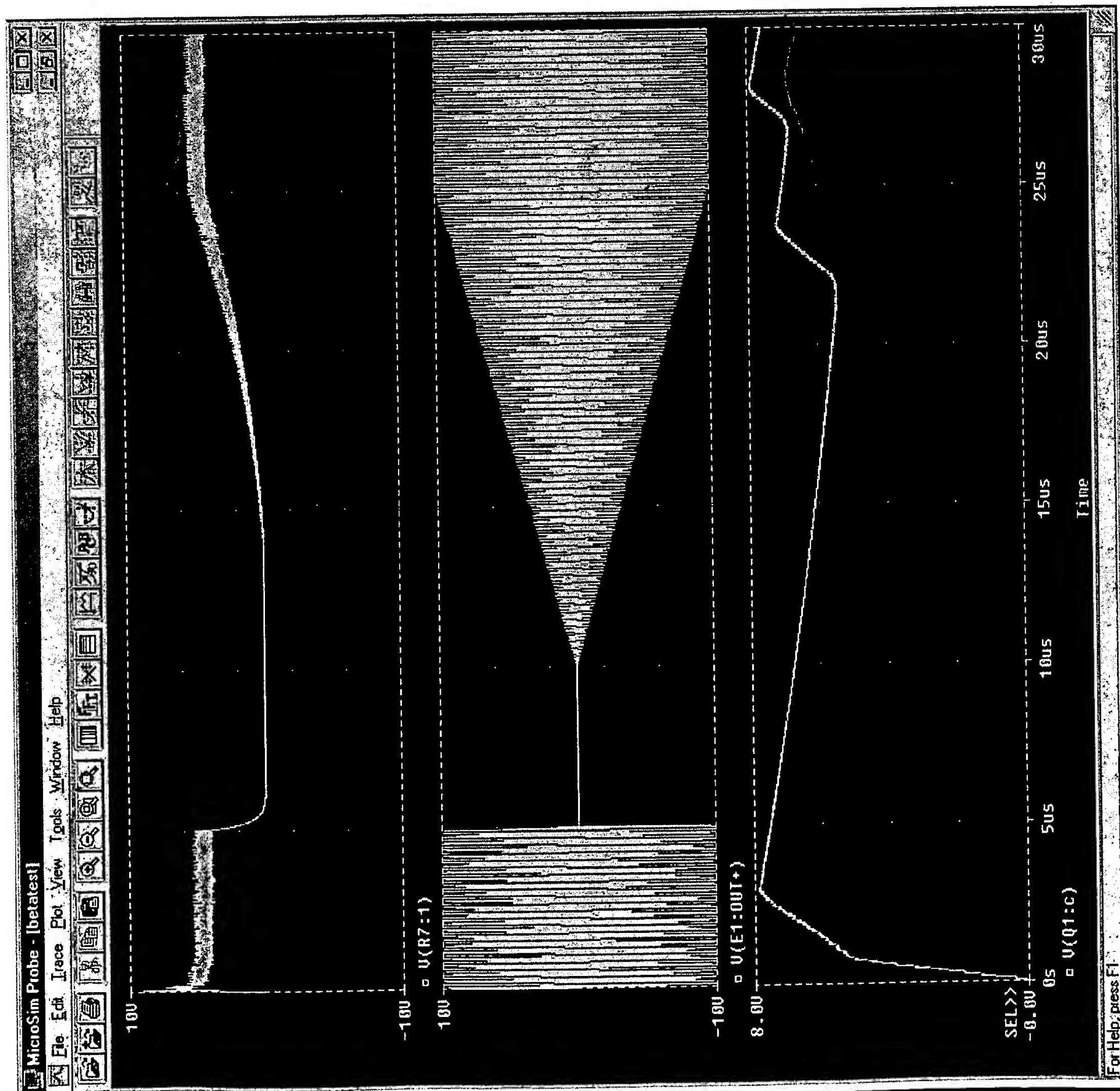


FIG. 16.



Operational waveforms
FIG. 18A.

Operational waveforms
FIG. 18B.

Operational waveforms
FIG. 18C.

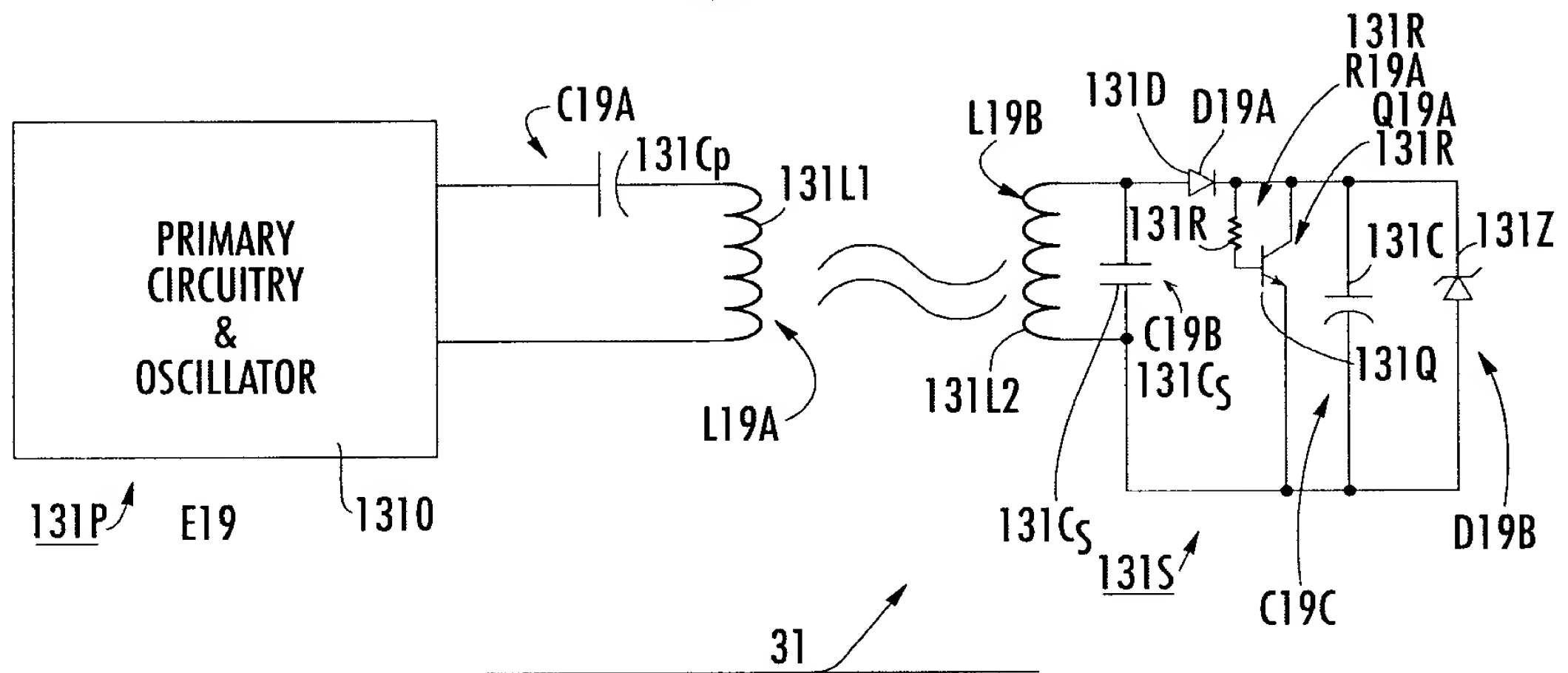


FIG. 19.

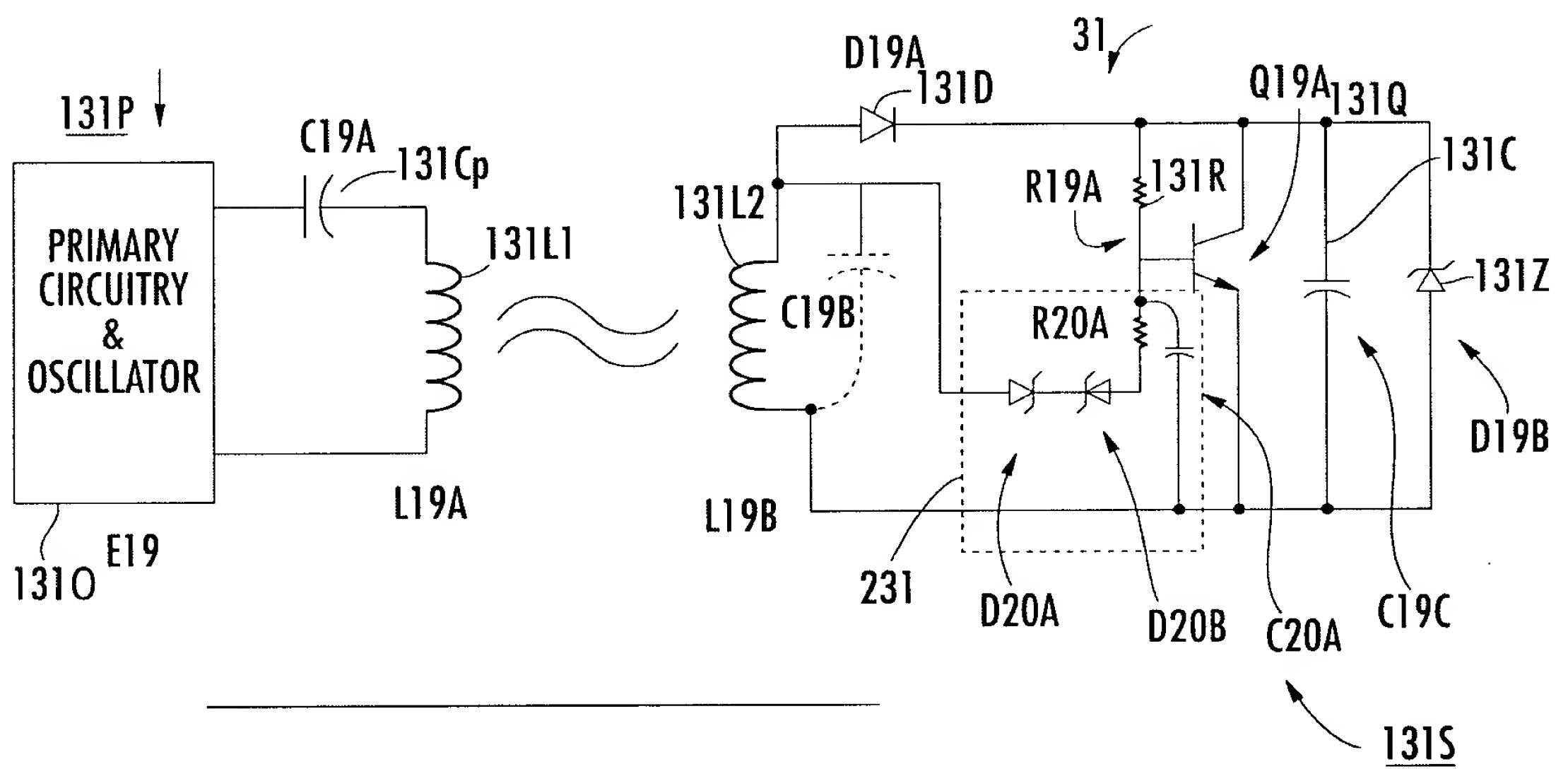


FIG. 20.

(F) betatest 125dc_works2 Temperature: 27.0

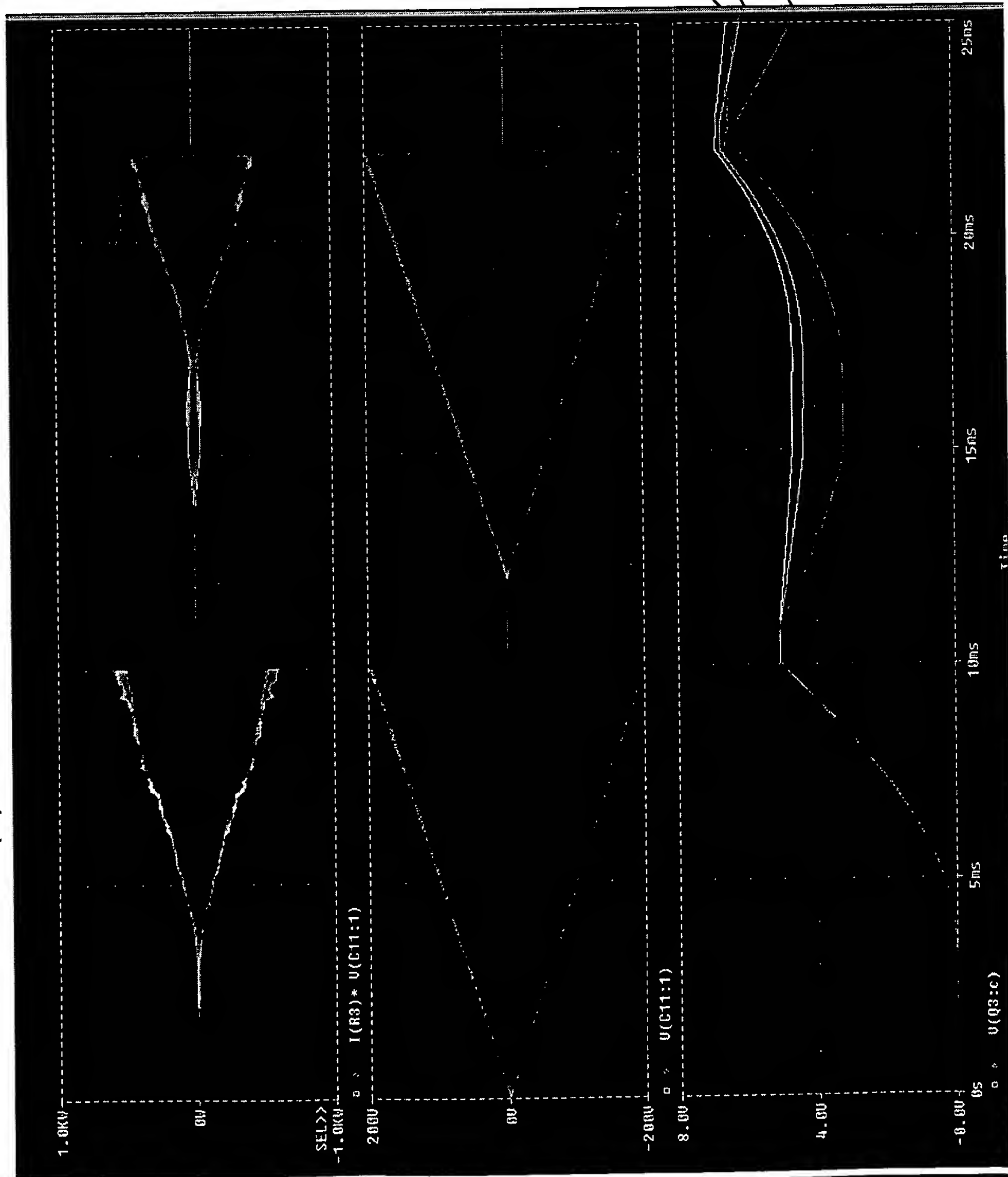


FIG. 21A.

FIG. 21B.

FIG. 21C.

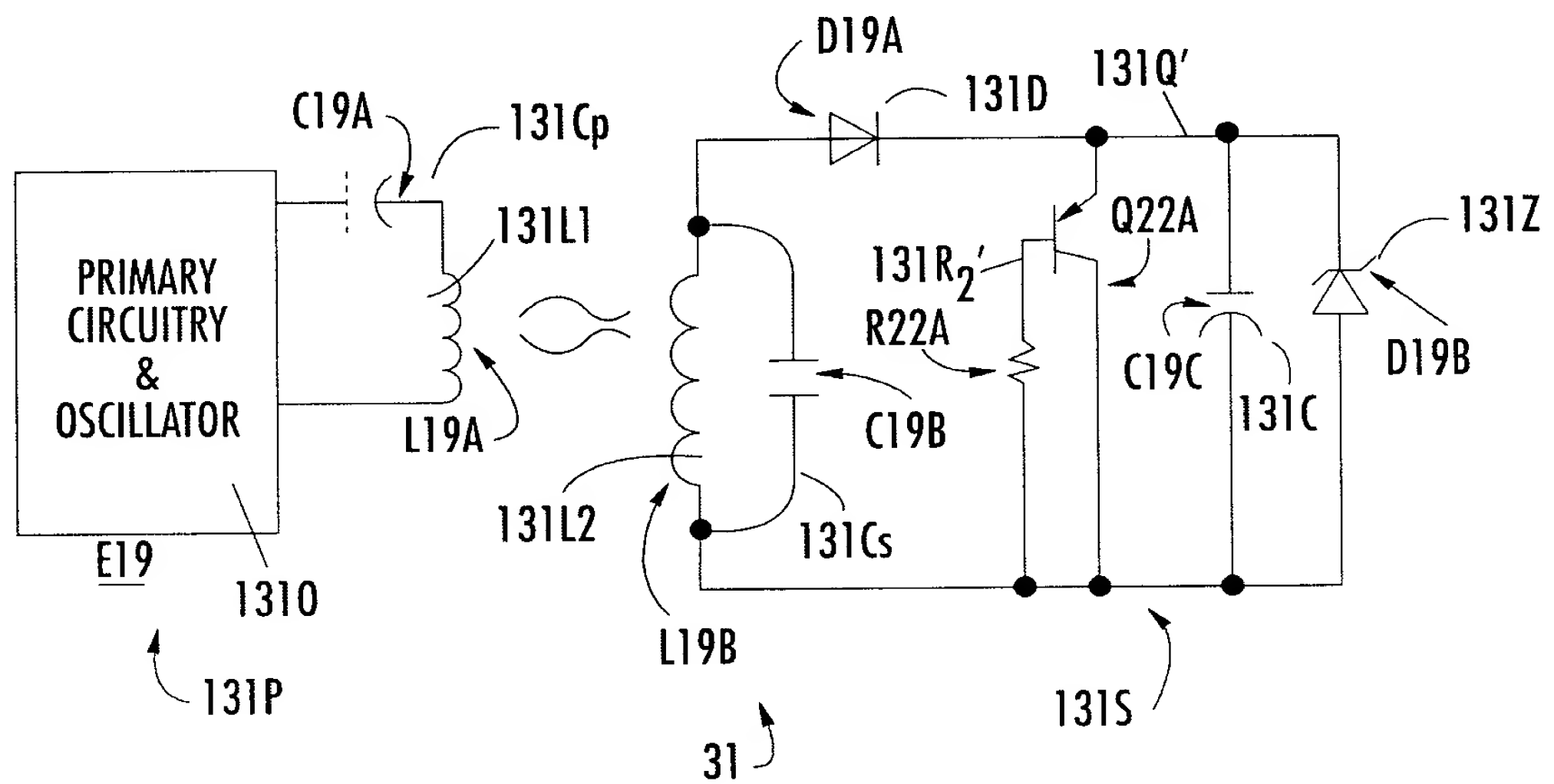


FIG. 22.

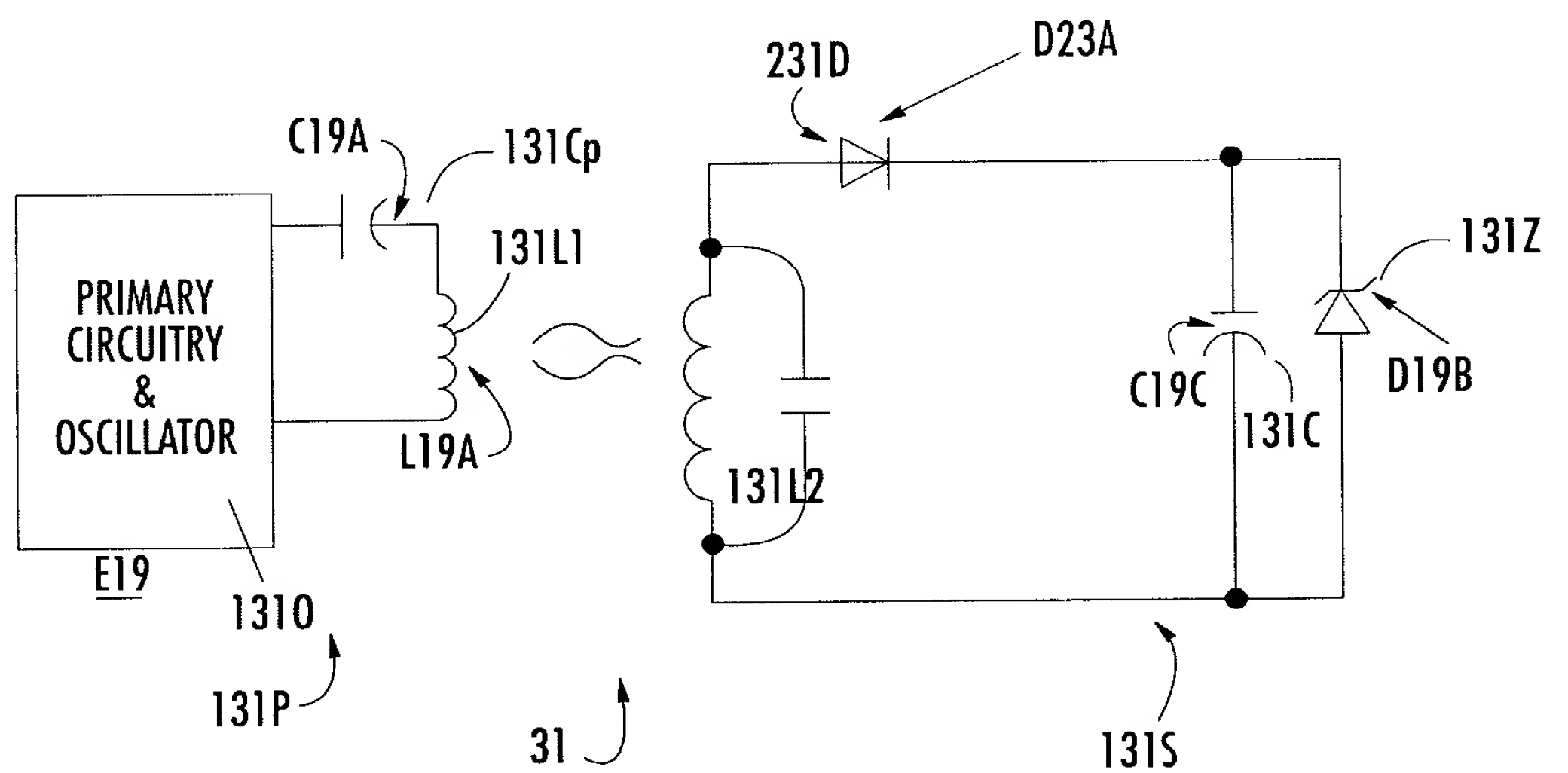


FIG. 23.

Temperature: 27.0

FIG. 24A.

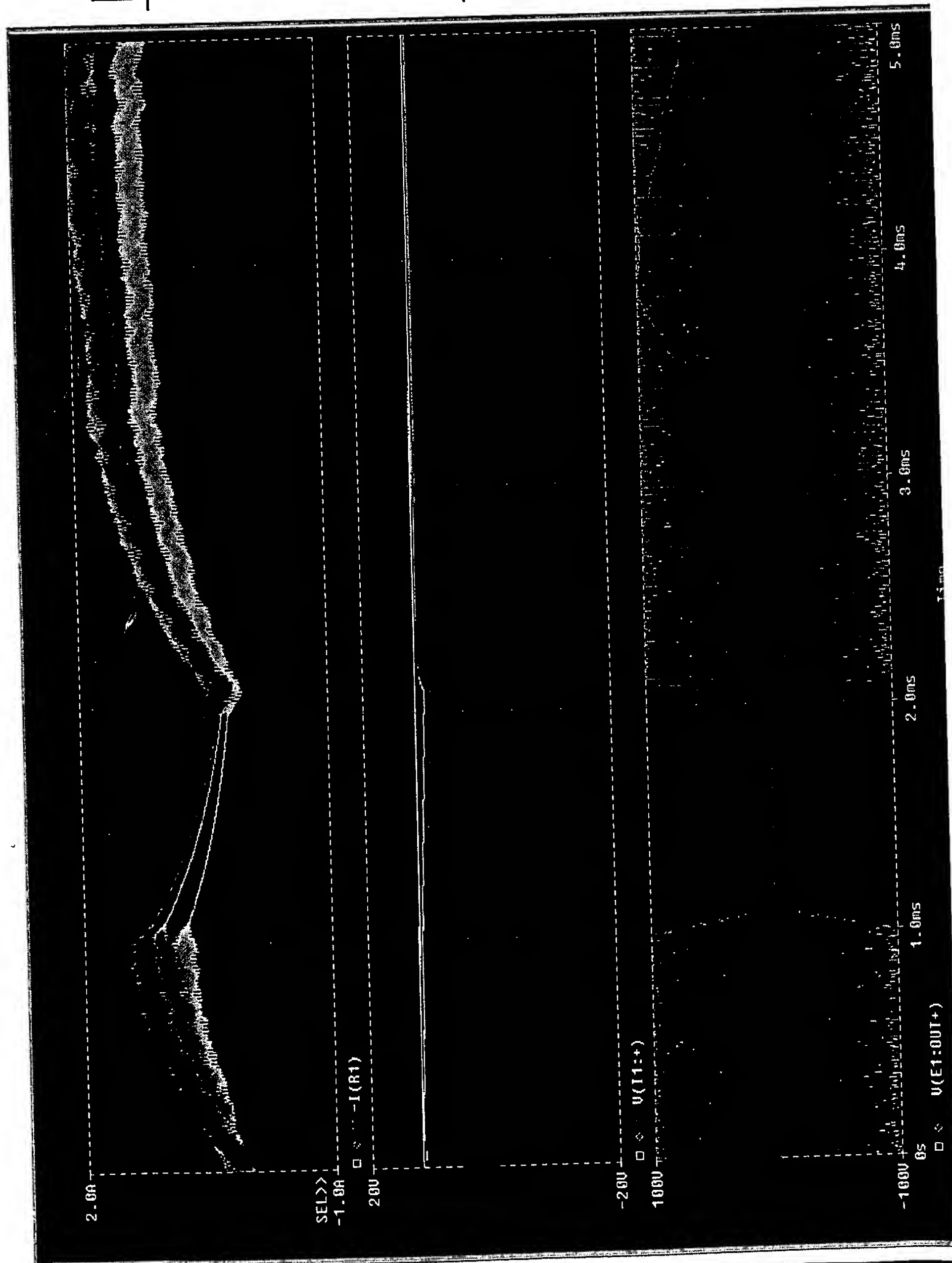


FIG. 24B.

FIG. 24C.

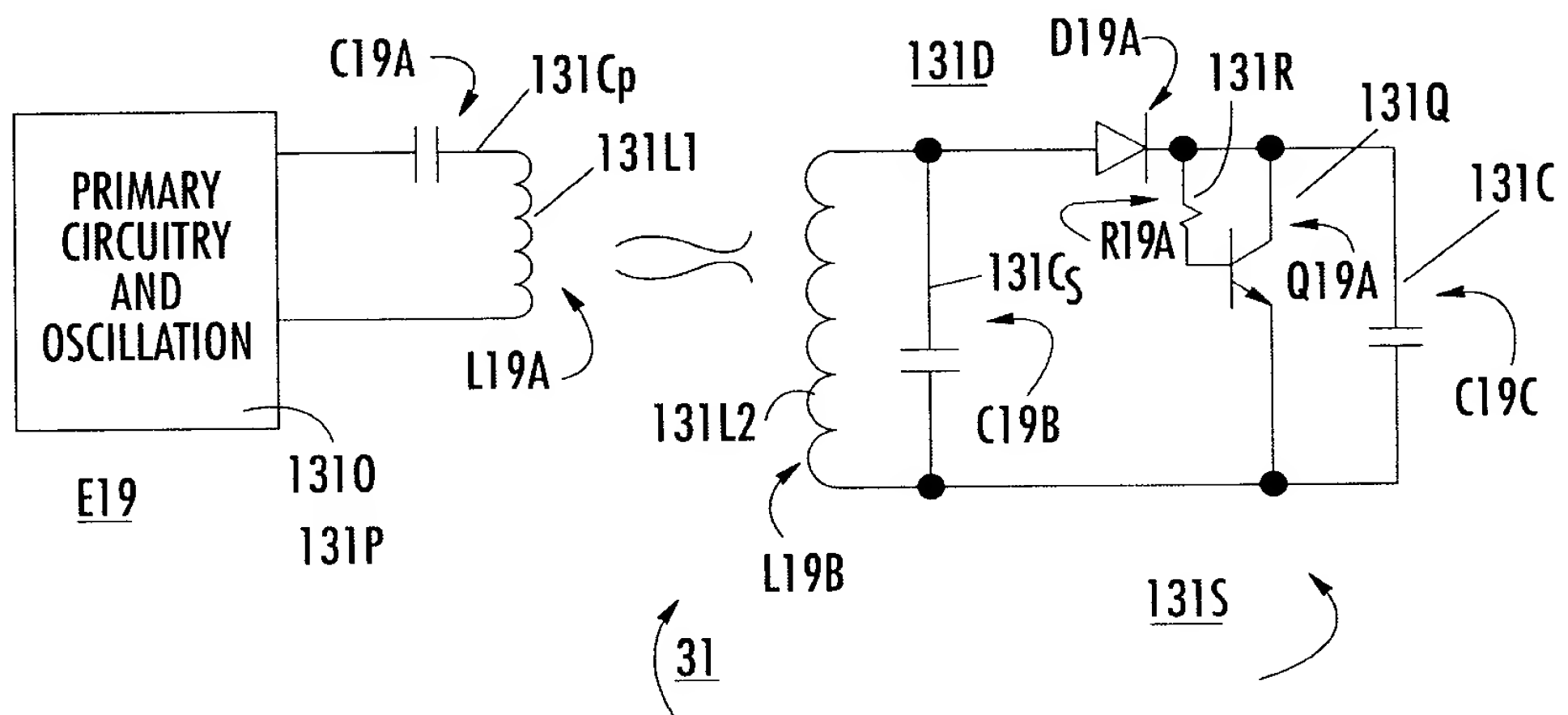


FIG. 25.

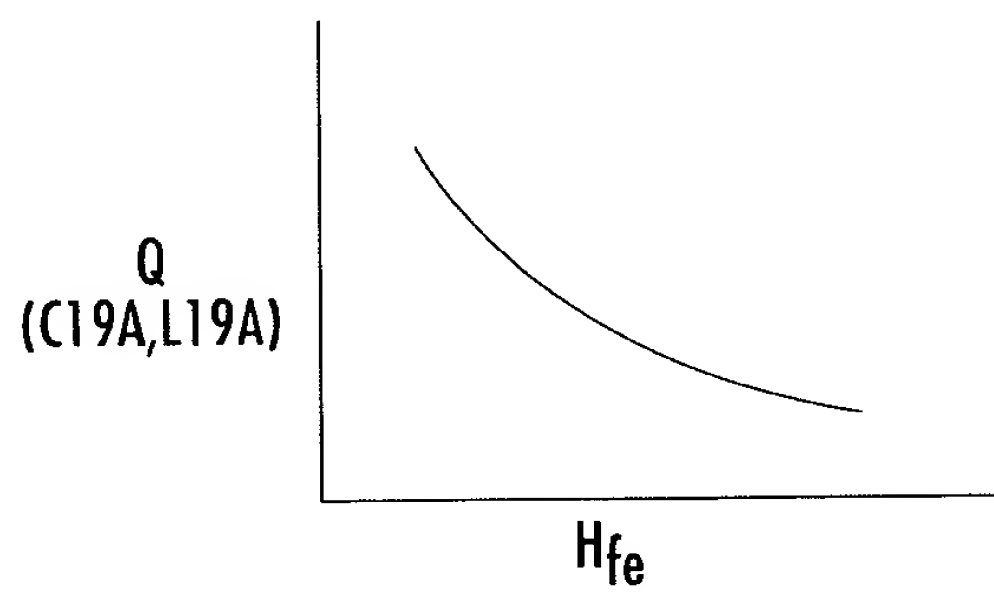


FIG. 26.

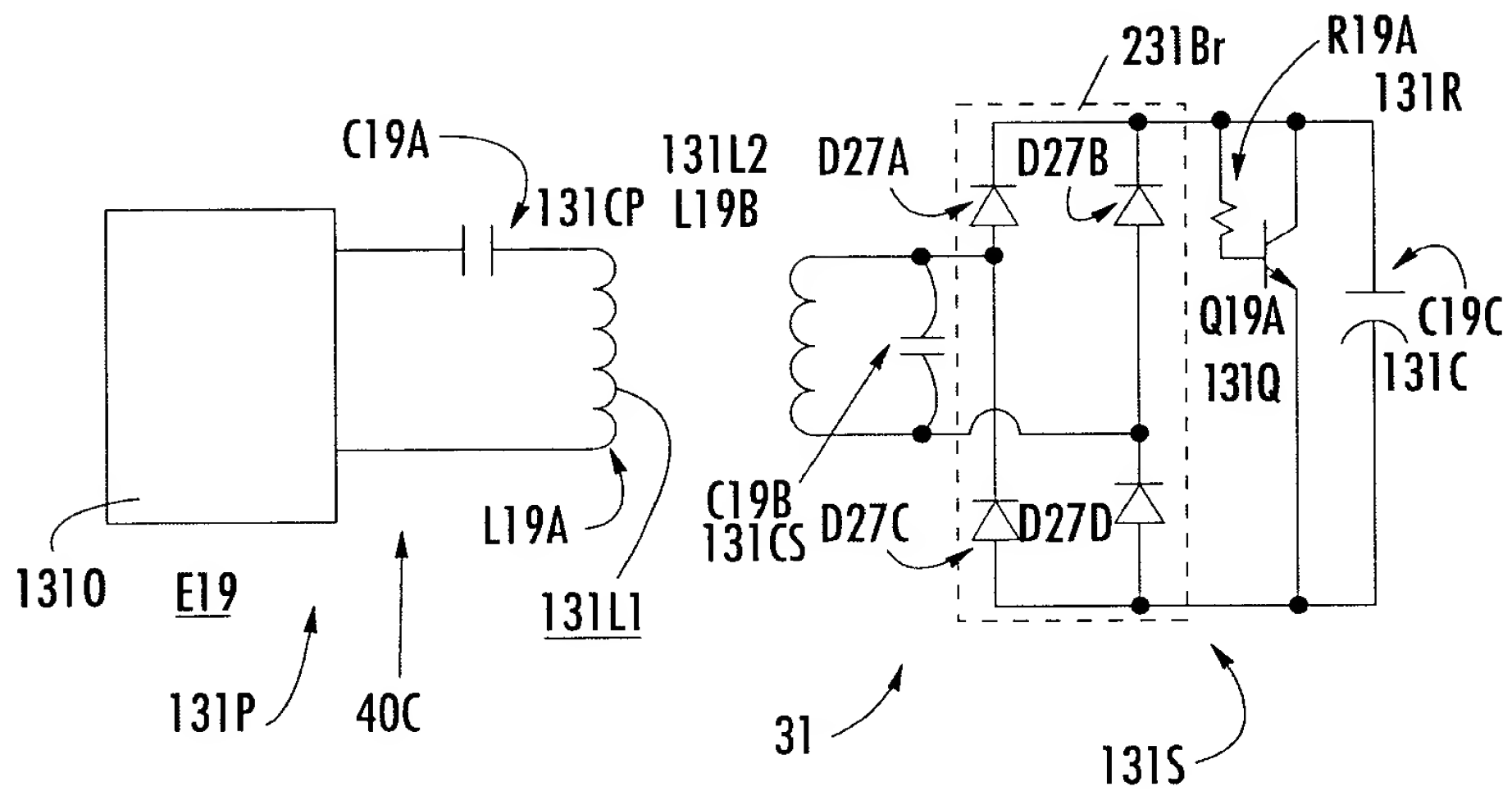


FIG. 27.

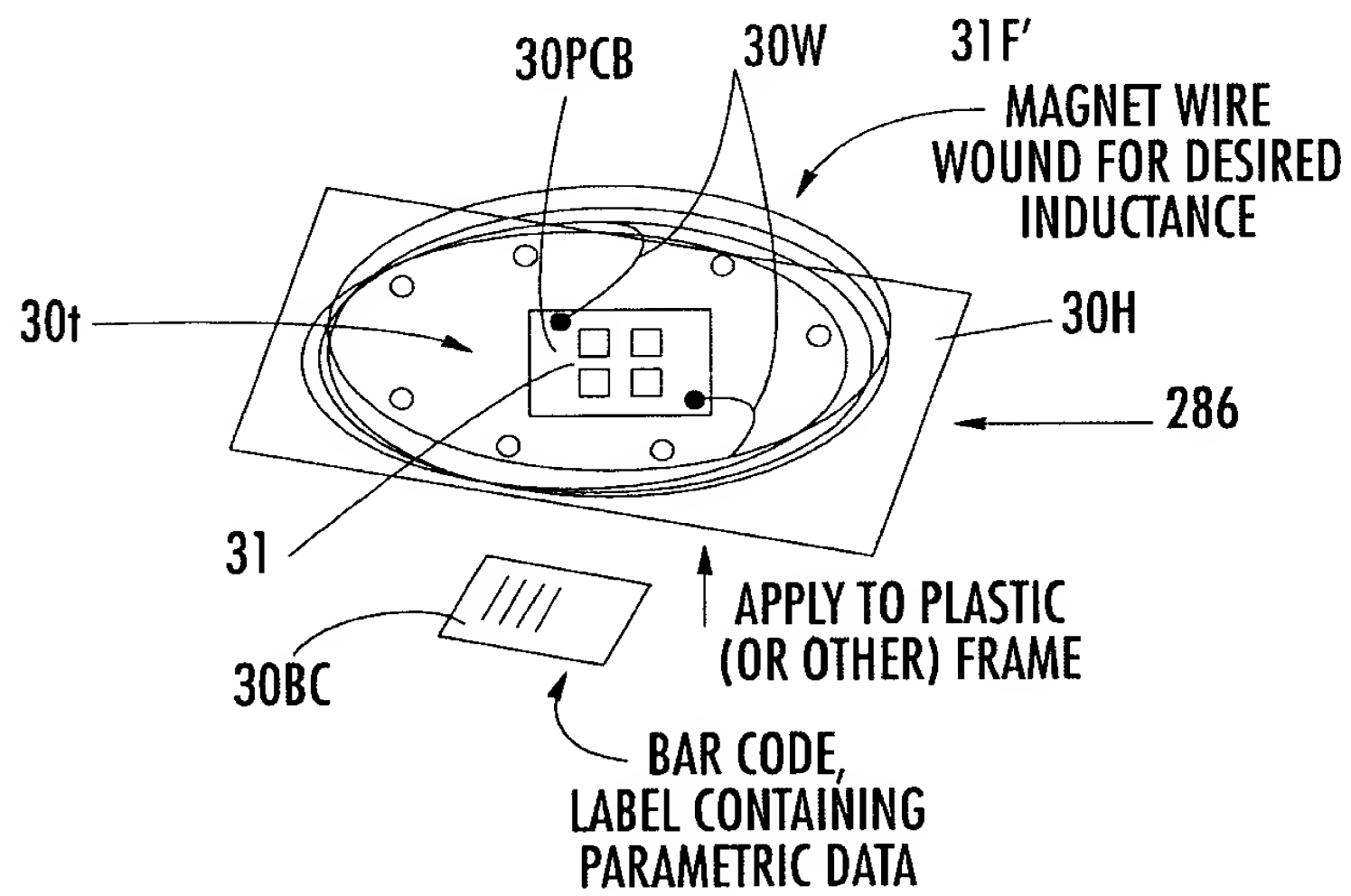


FIG. 28. DOSIMETRY TAG